

2004 Water Quality Assessment (Final) - Category 5 Listings

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
1	6229	5	Y	ANDERSON CREEK	MU69PG	1.252	39N	04E	19	Fine Sediment		Water
				The following references document habitat alterations: Schuett-Hames, 1984a, 29.1% in 1983 Schuett-Hames, 1988b, 20.4% mean value between 1983-1985 The following reference documents impairment of characteristic uses: Doughty, 1987, documented decline in Chinook stock The following references document human-caused contribution of sediment: Benda, 1993 Gowen, 1989 PEAK NW, 1986a PEAK NW, 1986b								
1	36852	5	Y	ANDERSON CREEK	MU69PG	7.277	38N	04E	06	Temperature		Water
				Lummi Nation unpublished data at station LNT-2492 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 19.3 degrees C from continuous measurements collected in 1996.								
1	7053	5	Y	ANDERSON DITCH	WO95OB	9.709	39N	02E	36	Dissolved oxygen		Water
				Western Washington University (1993), 9 excursions beyond the criterion out of 55 samples (16 %) between 7/91 and 5/93 at Site 12 (RM 2.0).								
1	7055	5	Y	ANDERSON DITCH	WO95OB	7.267	39N	02E	35	Dissolved oxygen		Water
				Western Washington University (1993), 34 excursions beyond the criterion out of 55 samples (62%) between 7/91 and 5/93 at Site 7 (RM 0.5).								
1	38983	5	N	AUSTIN CREEK	MH83NF	1.185	37N	04E	08	Dissolved oxygen		Water
				Western Washington University data from station COB-CW7 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1994, 1996, and 1999.								
1	38950	5	N	BAKER CREEK	VI82QQ	0	38N	02E	24	Dissolved oxygen		Water
				City of Bellingham data from station COB-BAK2 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1990, 1994, 1995, and 1996.								

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium
				Basis						Remarks	
1	39037	5	N	BAKER CREEK	VI82QQ	0.114	38N	02E	13	Fecal Coliform	Water
City of Bellingham data from station COB-BAK1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 465 cfu/100mL from 9 samples collected in 1994.											
City of Bellingham data from station COB-BAK1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 263 cfu/100mL from 11 samples collected in 1993.											
City of Bellingham data from station COB-BAK1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 229 cfu/100mL from 10 samples collected in 1992.											
1	39038	5	N	BAKER CREEK	VI82QQ	0	38N	02E	24	Fecal Coliform	Water
City of Bellingham data from station COB-BAK2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 118 cfu/100mL from 1 samples collected in 2001.											
City of Bellingham data from station COB-BAK2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 234 cfu/100mL from 4 samples collected in 2000.											
City of Bellingham data from station COB-BAK2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 826 cfu/100mL from 5 samples collected in 1999.											
City of Bellingham data from station COB-BAK2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 67 cfu/100mL from 4 samples collected in 1998.											
City of Bellingham data from station COB-BAK2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 53 cfu/100mL from 5 samples collected in 1997.											
City of Bellingham data from station COB-BAK2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 183 cfu/100mL from 9 samples collected in 1996.											
City of Bellingham data from station COB-BAK2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 75 cfu/100mL from 12 samples collected in 1995.											
City of Bellingham data from station COB-BAK2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 193 cfu/100mL from 11 samples collected in 1994.											
City of Bellingham data from station COB-BAK2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 147 cfu/100mL from 11 samples collected in 1993.											
City of Bellingham data from station COB-BAK2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 281 cfu/100mL from 12 samples collected in 1992.											
1	41331	5	N	BAKER CREEK	VI82QQ	1.184	38N	03E	18	Pentachlorophenol	Water
Anderson, P., Roose, M., (2004), station SQ4 shows that 2 of 2 samples exceed the criterion..											

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	
				Basis						Remarks		
DO	1	41773	5	N	BAKER CREEK	VI82QQ	0	38N	02E	24	Zinc	Water
	Anderson, P., Roose, M., (2004), station SQ2 shows that 3 of 3 samples collected in years 2002 and 2003 exceeded the chronic criterion.											
	1	41775	5	N	BAKER CREEK	VI82QQ	1.184	38N	03E	18	Zinc	Water
Anderson, P., Roose, M., (2004), station SQ4 shows that 3 of 3 samples collected in years 2002 and 2003 exceeded the chronic criterion.												
to	1	5840	5	Y	BEAR CREEK	PI87SF	0.744	38N	02E	02	Dissolved oxygen	Water
	City of Bellingham unpublished data from station COB-SIL1 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 2000.										Changed on 7/21/05 from SILVER CREEK to BEAR CREEK based on Silver Creek Monitoring Project Final Report. -kk	
	Western Washington University (1993), 6 excursions beyond the criterion out of 30 samples (20%) between 7/91 and 7/92 at Site 9A (Unnamed Creek WDF# 01.0146 at RM 0.3).										Renamed from "UNNAMED CREEK WDW# 01.0146" to SILVER CREEK 12/14/04. -kk	
											During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments. Based on a review of monitoring studies for	
statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues												
be impaired. (Braley, ECY/WQP, 2003)												
WDF#01.0146	1	7132	5	Y	BEAR CREEK	PI87SF	0.285	38N	02E	03	Dissolved oxygen	Water
	Western Washington University (1993), 18 excursions beyond the criterion out of 55 samples (33%) between 7/91 and 5/93 at Site 8 (RM 4.6).										Changed on 7/21/05 from UNNAMED CREEK	
											to BEAR CREEK based on Silver Creek Monitoring Project Final Report. -kk	
WDF#01.0146	1	5830	5	Y	BEAR CREEK	PI87SF	0.285	38N	02E	03	Fecal Coliform	Water
	Western Washington University (1993), 15 excursions beyond the upper criterion between 7/91 and 5/93 at Site 8 (RM 4.6).										Changed on 7/21/05 from UNNAMED CREEK	
											to BEAR CREEK based on Silver Creek Monitoring Project Final Report. -kk	
Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.												

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium	
				Basis									
1	5841	5	Y	BEAR CREEK	PI87SF	0.744	38N	02E	02	Fecal Coliform	Water		
				City of Bellingham unpublished data from station COB-SIL1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 88									
				cfu/100mL from 1 samples collected in 2001.									
				City of Bellingham unpublished data from station COB-SIL1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 313 cfu/100mL from 2 samples collected in 2000.									
				Western Washington University (1993), 6 excursions beyond the upper criterion between 7/91 and 7/92 at Site 9A (Unnamed Creek WDF# 01.0146 at RM 0.3).									
WDF#01.0146											Changed on 7/21/05 from UNNAMED CREEK		
											to BEAR CREEK based on Silver Creek Monitoring Project Final Report. -kk		
											Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.		
1	5842	5	Y	BEAR CREEK	PI87SF	0.744	38N	02E	02	Fecal Coliform	Water		
				Western Washington University (1993), 7 excursions beyond the criterion between 9/92 and 5/93 at Site 10 (Unnamed Creek WDF# 01.0146 at RM 0.8).									
				Changed on 7/21/05 from UNNAMED CREEK									
				to BEAR CREEK and WASWIS changed from XS91YS									
				to PI87SF 0.744 based on Silver Creek Monitoring Project Final Report. -kk									
0.473											Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.		
1	35242	5	N	BELLS CREEK	KV50NU	0.101	39N	05E	28	Temperature	Water		
				Lummi Nation unpublished data at station LNT-2483 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 17.5 degrees C from continuous measurements collected in 1996.									
1	8629	5	Y	BERTRAND CREEK	MI36KN	7.851	40N	03E	07	Ammonia-N	Water		
Dickes, 1992 , 2 excursions beyond the criterion at station B8E on 3/10/92 and 3/17/92.													
1	42447	5	N	BERTRAND CREEK	VL90RG	12.278	41N	02E	35	Fecal Coliform	Water		
				Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station BH shows the following: 6 of 25 samples (24.0%) exceeded the percentile criterion in 2002; 3 of 19 samples (15.8%) exceeded the percentile criterion in 2003.									
1	42448	5	N	BERTRAND CREEK	VL90RG	9.932	40N	02E	12	Fecal Coliform	Water		
				Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station BJB shows the following: 6 of 19 samples (31.6%) exceeded the percentile criterion in 2002; 3 of 15 samples (20.0%) exceeded the percentile criterion in 2003; a geometric mean of 132.4 cfu/100mL from 5 samples collected in 2004 exceeded the criterion.									

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
1	39044	5	N	BLACK SLOUGH Whatcom Conservation District unpublished data from station ACME-16 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 159 cfu/100mL from 8 samples collected in 1999. Whatcom Conservation District unpublished data from station ACME-16 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 140 cfu/100mL from 2 samples collected in 1998. Northwest Indian College unpublished data from station NWIC-BSN (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 77 cfu/100mL from 16 samples collected in 1999.	GK86AU	2.012	38N	05E	20	Fecal Coliform		Water
1	39045	5	N	BLACK SLOUGH Whatcom Conservation District unpublished data from station ACME-15 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 216 cfu/100mL from 8 samples collected in 1999. Whatcom Conservation District unpublished data from station ACME-15 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 1739 cfu/100mL from 2 samples collected in 1998. Northwest Indian College unpublished data from station NWIC-BSH (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 128 cfu/100mL from 16 samples collected in 1999.	GK86AU	3.816	38N	05E	29	Fecal Coliform		Water
1	39264	5	N	BLACK SLOUGH Nooksack Indian Tribe unpublished data from station Nooksack-6 (submitted by Sue Blake of Whatcom County on 17 December 2002) show 5 excursions beyond the criterion from 17 measurements collected in 1995-1997.	GK86AU	2.012	38N	05E	20	pH	Low pH	Water
1	39060	5	N	CALIFORNIA CREEK Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station C3 shows the following: 4 of 23 samples (17.4%) exceeded the percentile criterion in 2002; 2 of 15 samples (13.3%) exceeded the percentile criterion in 2003. Northwest Indian College unpublished data from station NWIC-C3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 180 cfu/100mL from 36 samples collected in 1999. Northwest Indian College unpublished data from station NWIC-C3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 56 cfu/100mL from 4 samples collected in 1998.	TW03VG	5.502	40N	01E	27	Fecal Coliform		Water
1	7063	5	Y	CANYON CREEK Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station NF0035 (Lower Canyon Creek) shows between 6/20/2003 and 9/8/2003 there were 24 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance in this year was 17.85 degrees Celcius for the 7-day period ending August 2, 2003. Data collected by the Lummi Nation Natural Resources Department (submitted by Leroy Deardorf on 10/29/97) show that 14% of the measurements exceeded the criterion in 7/96. Lummi Nation unpublished data at station LNT-2482 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 17.7 degrees C from continuous measurements collected in 1996.	CT23WH	0	40N	06E	35	Temperature	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks
1	7062	5	Y	CANYON LAKE CREEK	ND81CH	0.264	39N	05E	27	Temperature	Water	<div><div>Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station MF0005 (Canyon Lake Creek) shows between 6/19/2003 and 9/20/2003 there were 46 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance in this year was 21.14 °Celcius for the 7-day period ending August 3, 2003.</div><div>U.S.Geological Survey data from NWIS database station 12208500 (Canyon Cr at Kulshan) shows 0 excursions beyond the criterion out of 1 samples collected between 01/93 - 10/00.</div><div>Nooksack Indian Tribe unpublished data from station Nooksack-12 (Canyon Lake Creek at Mosquito Lake Road) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1996.</div><div>Data collected by the Lummi Fisheries Department (submitted by Dan Neff on 5/10/93) show 31 excursions beyond the criterion between 7/27/92 and 9/4/92.</div></div>
1	7064	5	Y	CAVANAUGH CREEK	NS88FJ	0.536	36N	05E	01	Temperature	Water	<div>Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.</div>
1	42112	5	N	CAVANAUGH CREEK	NS88FJ	0	37N	05E	35	Temperature	Water	
1	38957	5	N	CEMETERY CREEK	KL00LG	0	38N	03E	29	Dissolved oxygen	Water	<div>City of Bellingham data from station COB-CEM1 (submitted by Sue Blake of Whatcom County on 17 December 2002) show no excursions beyond the criterion from measurements collected in 2001.</div> <div>City of Bellingham data from station COB-CEM3 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1990, 1991, 1992, 1993, 1994, 1995, 1996 and 1997.</div>

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Remarks	Medium
				Basis							
1	39061	5	N	CEMETERY CREEK	KL00LG	0	38N	03E	29	Fecal Coliform	Water
City of Bellingham data from station COB-CEM1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 23 cfu/100mL from 1 samples collected in 2001.											
City of Bellingham data from station COB-CEM3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 154 cfu/100mL from 4 samples collected in 2000.											
City of Bellingham data from station COB-CEM3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 690 cfu/100mL from 5 samples collected in 1999.											
City of Bellingham data from station COB-CEM3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 158 cfu/100mL from 5 samples collected in 1998.											
City of Bellingham data from station COB-CEM3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 51 cfu/100mL from 6 samples collected in 1997.											
City of Bellingham data from station COB-CEM3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 179 cfu/100mL from 9 samples collected in 1996.											
City of Bellingham data from station COB-CEM3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 85 cfu/100mL from 12 samples collected in 1995.											
City of Bellingham data from station COB-CEM3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 84 cfu/100mL from 12 samples collected in 1994.											
City of Bellingham data from station COB-CEM3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 310 cfu/100mL from 12 samples collected in 1993.											
City of Bellingham data from station COB-CEM3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 154 cfu/100mL from 10 samples collected in 1992.											
Serdar et al. (1999) station LWHCEMCR (CEMETERY CREEK) shows the geometric mean of 6797 exceeds the criterion and that 100% of the samples exceeds the percentile criterion from 2 samples collected during 1998.											
1	39178	5	N	CEMETERY CREEK	KL00LG	0	38N	03E	29	Temperature	Water
City of Bellingham data from station COB-CEM3 (Cemetery Creek at Whatcom Creek) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1990, 1996 and 1998.											
City of Bellingham data from station COB-CEM1 (Cemetery Creek Near Haskell Business Park) submitted by Sue Blake of Whatcom County on 17 December 2002 shows no excursions beyond the criterion from measurements collected in 2001.											
Serdar (1994) station LWHCEMCR (CEMETERY CREEK) shows 0 excursions beyond the criterion out of 2 samples collected between 06/98 - 01/99.											
1	38959	5	N	CHUCKANUT CREEK	PB98VA	0	37N	02E	13	Dissolved oxygen	Water
City of Bellingham data from station COB-CHU2 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1994, 1995 and 1996.											

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
1	39064	5	N	CHUCKANUT CREEK	PB98VA	0.748	37N	03E	18	Fecal Coliform		Water
City of Bellingham data from station COB-CHU1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 163 cfu/100mL from 9 samples collected in 1994.												
City of Bellingham data from station COB-CHU1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 127 cfu/100mL from 11 samples collected in 1993.												
1	39065	5	N	CHUCKANUT CREEK	PB98VA	0	37N	02E	13	Fecal Coliform		Water
City of Bellingham data from station COB-CHU2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 41 cfu/100mL from 1 samples collected in 2001.												
City of Bellingham data from station COB-CHU2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 84 cfu/100mL from 4 samples collected in 2000.												
City of Bellingham data from station COB-CHU2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 194 cfu/100mL from 5 samples collected in 1999.												
City of Bellingham data from station COB-CHU2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 100 cfu/100mL from 4 samples collected in 1998.												
City of Bellingham data from station COB-CHU2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 37 cfu/100mL from 5 samples collected in 1997.												
City of Bellingham data from station COB-CHU2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 121 cfu/100mL from 9 samples collected in 1996.												
City of Bellingham data from station COB-CHU2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 54 cfu/100mL from 12 samples collected in 1995.												
City of Bellingham data from station COB-CHU2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 259 cfu/100mL from 12 samples collected in 1994.												
City of Bellingham data from station COB-CHU2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 184 cfu/100mL from 12 samples collected in 1993.												
City of Bellingham data from station COB-CHU2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 122 cfu/100mL from 12 samples collected in 1992.												
City of Bellingham data from station COB-CHU3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 71 cfu/100mL from 3 samples collected in 1993.												
1	6606	5	Y	CLEARBROOK CREEK	CT99ZQ	0	40N	04E	05	Fecal Coliform		Water
Dickes and Merrill, 1990. 6 excursions beyond the upper criterion at station CB (at Clearbrook Ditch RM 0.2) in 1988 and 1989.											Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
1	6634	5	Y	CLEARBROOK CREEK Dickes, 1992. 4 excursions beyond the criterion collected at a station on Clearbrook Ditch, West of Nooksack Road in 1992.	CT99ZQ	0.126	40N	04E	08	Fecal Coliform		Water
1	38960	5	N	CONNELLY CREEK City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1994, 1995, 1996 and 2000.	II81TD	0.302	37N	03E	06	Dissolved oxygen		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
Basis												
1	39068	5	N	CONNELLY CREEK	II81TD	0.302	37N	03E	06	Fecal Coliform		Water
City of Bellingham data from station COB-CON4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 200 cfu/100mL from 1 samples collected in 1992.												
City of Bellingham data from station COB-CON5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 788 cfu/100mL from 9 samples collected in 1994.												
City of Bellingham data from station COB-CON5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 100 cfu/100mL from 1 samples collected in 1992.												
City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 128 cfu/100mL from 1 samples collected in 2001.												
City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 194 cfu/100mL from 4 samples collected in 2000.												
City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 312 cfu/100mL from 5 samples collected in 1999.												
City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 247 cfu/100mL from 5 samples collected in 1998.												
City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 81 cfu/100mL from 5 samples collected in 1997.												
City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 132 cfu/100mL from 9 samples collected in 1996.												
City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 145 cfu/100mL from 12 samples collected in 1995.												
City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 701 cfu/100mL from 12 samples collected in 1994.												
City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 745 cfu/100mL from 12 samples collected in 1993.												
City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 247 cfu/100mL from 11 samples collected in 1992.												
City of Bellingham data from station COB-CON8 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 758 cfu/100mL from 9 samples collected in 1994.												
City of Bellingham data from station COB-CON9 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 1378 cfu/100mL from 12 samples collected in 1993.												
City of Bellingham data from station COB-CON10 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 1667 cfu/100mL from 12 samples collected in 1993.												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
1	39181	5	N	CONNELLY CREEK	II81TD	0.302	37N	03E	06	Temperature		Water
City of Bellingham data from station COB-CON6 (Connely Creek Donovan) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1996, 1997, and 1998.												
1	7066	5	Y	CORNELL CREEK	RQ36PH	0	39N	06E	01	Temperature		Water
Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station NF0040 (Cornell Creek) shows between 6/20/2003 and 9/8/2003 there were 45 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance in this year was 18.75 °Celcius for the 7-day period ending August 2, 2003.												
Nooksack Indian Tribe unpublished data from station Nooksack-18 (Cornell Creek at Mount Baker Highway Bridge) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1996.												
Data collected by the Lummi Fisheries Department (submitted by Dan Neff on 5/10/93) show 32 excursions beyond the criterion between 7/30/92 and 8/30/92.												
1	39077	5	N	DAKOTA (REBEL) CREEK	PN37OM	4.81	40N	01E	15	Fecal Coliform		Water
Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station DG shows the following: 4 of 19 samples (21.1%) exceeded the percentile criterion in 2003.											Changed from Category 1 to Category 5 due to consolidation with Listing ID 42453 on 01/10/05. -kk	
criteria.	Northwest Indian College unpublished data from station NWIC-DG (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 131 cfu/100mL from 37 samples collected in 1999.											Per 2002 calendar year NWIC data provided by S Hood (BFO/ECY) Geometric Mean and 90th percentile meet
	Northwest Indian College unpublished data from station NWIC-DG (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 78 cfu/100mL from 3 samples collected in 1998.											
1	8622	5	Y	DEER CREEK	DR81WH	2.682	39N	02E	26	Ammonia-N		Water
Tetra Tech, 1989. , 2 excursions beyond the criterion on 10/20/88 and 11/30/88 at station 8 on Aldrich Road.											Reference is not in the administrative record. The water segment was listed as Category 5 based on the 1998 assessment.	
1	42454	5	N	DEER CREEK	DR81WH	0	39N	02E	28	Fecal Coliform		Water
Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station DRC shows the following: a geometric mean of 108.6 cfu/100mL from 21 samples collected in 2002 exceeded the criterion, and 10 of 21 samples (47.6%) exceeded the percentile criterion; 6 of 19 samples (31.6%) exceeded the percentile criterion in 2003; 2 of 8 samples (25.0%) exceeded the percentile criterion in 2004.												
1	7071	5	Y	DEER CREEK	DR81WH	0.926	39N	02E	27	pH		Water
Tetra Tech, 1989. , 3 excursions beyond the criterion out of 10 samples (30%) in 1988 and 1989 at station 9 on Wiser Lake Road..											Low pH	
1	7074	5	Y	DEER CREEK	DR81WH	2.682	39N	02E	26	pH		Water
Tetra Tech, 1989. , 6 excursions beyond the criterion out of 10 samples (60%) in 1988 and 1989 at station 8 on Aldrich Road..											Low pH	

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Remarks	Medium
				Basis							
1	39048	5	N	DRAYTON HARBOR	390KRD	48122J7J5	48.995	122.755	Fecal Coliform		Water
<p>Port of Bellingham unpublished data from station POB-F (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 126 cfu/100mL from 4 samples collected in 1997.</p>											
<p>Port of Bellingham unpublished data from station POB-F (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 28 cfu/100mL from 12 samples collected in 1998.</p>											
<p>Port of Bellingham unpublished data from station POB-F (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 22 cfu/100mL from 16 samples collected in 1999.</p>											
<p>Port of Bellingham unpublished data from station POB-F (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 17 cfu/100mL from 2 samples collected in 2000.</p>											
<p>Port of Bellingham unpublished data from station POB-D (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 85 cfu/100mL from 6 samples collected in 1997.</p>											
<p>Port of Bellingham unpublished data from station POB-D (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 106 cfu/100mL from 22 samples collected in 1998.</p>											
<p>Port of Bellingham unpublished data from station POB-D (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 47 cfu/100mL from 24 samples collected in 1999.</p>											
<p>Port of Bellingham unpublished data from station POB-D (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 145 cfu/100mL from 2 samples collected in 2000.</p>											
<p>Port of Bellingham unpublished data from station POB-G (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 54 cfu/100mL from 4 samples collected in 1997.</p>											
<p>Port of Bellingham unpublished data from station POB-G (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 26 cfu/100mL from 12 samples collected in 1998.</p>											
<p>Port of Bellingham unpublished data from station POB-G (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 10 cfu/100mL from 16 samples collected in 1999.</p>											
<p>Port of Bellingham unpublished data from station POB-G (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 19 cfu/100mL from 2 samples collected in 2000.</p>											
<p>Port of Bellingham unpublished data from station POB-H (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 48 cfu/100mL from 3 samples collected in 1997.</p>											
<p>Port of Bellingham unpublished data from station POB-H (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 46 cfu/100mL from 10 samples collected in 1998.</p>											
<p>Port of Bellingham unpublished data from station POB-H (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 11 cfu/100mL from 14 samples collected in 1999.</p>											
<p>Port of Bellingham unpublished data from station POB-H (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 12 cfu/100mL from 2 samples collected in 2000.</p>											
<p>Port of Bellingham unpublished data from station POB-I (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 45 cfu/100mL from 3 samples collected in 1997.</p>											

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information	Parameter	Remarks	Medium
				Basis				
							Port of Bellingham unpublished data from station POB-I (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 52 cfu/100mL from 10 samples collected in 1998.	
							Port of Bellingham unpublished data from station POB-I (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 21 cfu/100mL from 14 samples collected in 1999.	
							Port of Bellingham unpublished data from station POB-I (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 43 cfu/100mL from 2 samples collected in 2000.	

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Remarks	Medium
				Basis							
1	39052	5	N	DRAYTON HARBOR	390KRD	48122J7J6	48.995	122.765	Fecal Coliform		Water
<p>Port of Bellingham unpublished data from station POB-A (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 143 cfu/100mL from 22 samples collected in 1998.</p>											
<p>Port of Bellingham unpublished data from station POB-A (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 140 cfu/100mL from 6 samples collected in 1997.</p>											
<p>Port of Bellingham unpublished data from station POB-A (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 120 cfu/100mL from 24 samples collected in 1999.</p>											
<p>Port of Bellingham unpublished data from station POB-A (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 79 cfu/100mL from 2 samples collected in 2000.</p>											
<p>Port of Bellingham unpublished data from station POB-B (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 121 cfu/100mL from 6 samples collected in 1997.</p>											
<p>Port of Bellingham unpublished data from station POB-B (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 169 cfu/100mL from 22 samples collected in 1998.</p>											
<p>Port of Bellingham unpublished data from station POB-B (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 111 cfu/100mL from 24 samples collected in 1999.</p>											
<p>Port of Bellingham unpublished data from station POB-B (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 86 cfu/100mL from 2 samples collected in 2000.</p>											
<p>Port of Bellingham unpublished data from station POB-C (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 97 cfu/100mL from 6 samples collected in 1997.</p>											
<p>Port of Bellingham unpublished data from station POB-C (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 127 cfu/100mL from 22 samples collected in 1998.</p>											
<p>Port of Bellingham unpublished data from station POB-C (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 124 cfu/100mL from 24 samples collected in 1999.</p>											
<p>Port of Bellingham unpublished data from station POB-C (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 63 cfu/100mL from 2 samples collected in 2000.</p>											
<p>Port of Bellingham unpublished data from station POB-E (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 156 cfu/100mL from 6 samples collected in 1997.</p>											
<p>Port of Bellingham unpublished data from station POB-E (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 169 cfu/100mL from 22 samples collected in 1998.</p>											
<p>Port of Bellingham unpublished data from station POB-E (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 90 cfu/100mL from 24 samples collected in 1999.</p>											
<p>Port of Bellingham unpublished data from station POB-E (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 33 cfu/100mL from 2 samples collected in 2000.</p>											
<p>Port of Bellingham unpublished data from station POB-J (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 15 cfu/100mL from 12 samples collected in 1999.</p>											

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Remarks	Medium
				Basis							
				Port of Bellingham unpublished data from station POB-J (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 51 cfu/100mL from 2 samples collected in 2000.							
1	35238	5	N	EDFRO CREEK	MQ30LJ	0	37N	05E	26	Temperature	Water
				Lummi Nation unpublished data at station LNT-2478 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 16.2 degrees C from continuous measurements collected in 1996.							
1	9101	5	N	FEVER CREEK	HI36SL	0	38N	03E	29	Copper	Water
				Serdar, et al. 1999. Station LWHFEVR1 (FEVER CREEK CULVERT) shows 2 excursions beyond the criterion out of 2 samples collected between 06/98 - 01/99.							
				Serdar, et al. 1999. Show 2 excursions beyond the chronic criterion out of 3 samples collected at station LWHFEVR1 (FEVER CREEK CULVERT TERMINUS AT MOUTH) in 1998.							
1	38963	5	N	FEVER CREEK	HI36SL	1.905	38N	03E	21	Dissolved oxygen	Water
				City of Bellingham unpublished data from station COB-FEV1 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1994 and 1995 and 1996.							
1	38964	5	N	FEVER CREEK	HI36SL	0	38N	03E	29	Dissolved oxygen	Water
				City of Bellingham data from station COB-FEV2 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1994, 1995, 1996, and 1998.							
1	39089	5	N	FEVER CREEK	HI36SL	1.905	38N	03E	21	Fecal Coliform	Water
				City of Bellingham data from station COB-FEV1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 207 cfu/100mL from 6 samples collected in 1996.							
				City of Bellingham data from station COB-FEV1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 162 cfu/100mL from 11 samples collected in 1995.							
				City of Bellingham data from station COB-FEV1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 194 cfu/100mL from 8 samples collected in 1994.							

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Remarks	Medium
				Basis							
1	39090	5	N	FEVER CREEK	HI36SL	0	38N	03E	29	Fecal Coliform	Water
City of Bellingham data from station COB-FEV2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 145 cfu/100mL from 1 samples collected in 2001.											
City of Bellingham data from station COB-FEV2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 644 cfu/100mL from 4 samples collected in 2000.											
City of Bellingham data from station COB-FEV2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 587 cfu/100mL from 5 samples collected in 1999.											
City of Bellingham data from station COB-FEV2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 195 cfu/100mL from 4 samples collected in 1998.											
City of Bellingham data from station COB-FEV2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 238 cfu/100mL from 5 samples collected in 1997.											
City of Bellingham data from station COB-FEV2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 379 cfu/100mL from 9 samples collected in 1996.											
City of Bellingham data from station COB-FEV2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 123 cfu/100mL from 11 samples collected in 1995.											
City of Bellingham data from station COB-FEV2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 361 cfu/100mL from 9 samples collected in 1994.											
Serdar et al. (1999) station LWHFEVR1 (FEVER CREEK CULVERT) shows the geometric mean of 5492 exceeds the criterion and that 100% of the samples exceeds the percentile criterion from 2 samples collected during 1998.											
1	12961	5	N	FEVER CREEK	HI36SL	0	38N	03E	29	Pentachlorophenol	Water
Serdar, et al. 1999. show no excursions beyond the chronic criterion out of 3 samples collected at station LWHFEVR1 (FEVER CREEK CULVERT TERMINUS AT MOUTH) in 1998. Discharge monitoring data collected by Brooks Lumber Company (submitted by Steve Hood, BFO, on 13 December 2002) show 26 excursions beyond the criterion from 26 samples collected in 2001.											
1	39185	5	N	FEVER CREEK	HI36SL	0	38N	03E	29	Temperature	Water
City of Bellingham unpublished data from station COB-FEV2 (Fever Creek at Valencia) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1994, 1997, and 1998.											
Serdar et al. 1999 station LWHFEVR1 (FEVER CREEK CULVERT) shows 0 excursions beyond the criterion out of 2 samples collected between 06/98 - 01/99.											

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
1	9106	5	N	FEVER CREEK	HI36SL	0	38N	03E	29	Zinc		Water
				Serdar et al. 1999 station LWHFEVR1 (FEVER CREEK CULVERT) shows 2 excursions beyond the criterion out of 2 samples collected between 06/98 - 01/99.								
				Serdar, et al. 1999. show 3 excursions beyond the chronic criterion out of 3 samples collected at station LWHFEVR1 (FEVER CREEK CULVERT TERMINUS AT MOUTH) in 1998.								
1	37811	5	N	FISHTRAP CREEK	RN53NC	1.836	40N	02E	25	Temperature		Water
				U.S. Geological Survey unpublished data at station 12212100 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 18.03 degrees C from continuous measurements collected in 1996. U.S. Geological Survey unpublished data at station 12212100 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 17.07 degrees C from continuous measurements collected in 1997.								
				U.S.Geological Survey data from NWIS database station 12212100 (Fishtrap Cr at Flynn rd at Lynden) shows 1 excursions beyond the criterion out of 44 samples collected between 01/93 - 10/00.								
1	7077	5	Y	GALLOP CREEK	EO08VO	0	39N	07E	06	Temperature		Water
				Data collected by the Lummi Fisheries Department (submitted by Dan Neff on 5/10/93) show 26 excursions beyond the criterion between 7/30/92 and 8/30/92.							Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	
1	37815	5	N	HARDSCRABBLE CREEK	NQ44RI	0.738	38N	04E	25	Temperature		Water
				Whatcom Conservation District unpublished data at station ACME-C (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 18.3 degrees C from continuous measurements collected in 1998.								
1	7079	5	Y	HOFF CREEK	CN61ZA	0	39N	04E	22	Temperature		Water
				Caldwell, et al. 1991, Numerous excursions beyond the criterion at 4 different locations in 1990.							The daily maximum excursions are for one year only and do not meet the WQ Program Policy 1-11 (updated 9/02) for showing persistent temperature impairment. Listing will be placed in waters of concern category until further study and monitoring indicates the status of the water.	
1	6233	5	Y	HOWARD CREEK	AN73PN	0	36N	06E	13	Fine Sediment		Water
				The following reference documents habitat alterations: Schuett-Hames, 1988b, mean value of 15.24% in 1984 The following references document impairment of characteristic uses: Doughty, 1987, documented decline in Chinook stock The following references document human-caused contribution of sediment: Benda, 1993 Gowen, 1989 PEAK NW, 1986a PEAK NW, 1986b.								

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium		
				Basis						Remarks		
1	7080	5	Y	HOWARD CREEK	AN73PN	0	36N	06E	13	Temperature	Water	
Data collected by the Lummi Nation Natural Resources Department (submitted by Leroy Deardorf on 10/29/97) show that 14% of the measurements exceeded the criterion in 7/96.										Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.		
Lummi Nation unpublished data at station LNT-2477 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 17.6 degrees C from continuous measurements collected in 1996.												
1	7091	5	Y	KAMM (STICKNEY) SLOUGH	LS95QH	1.096	40N	03E	21	Dissolved oxygen	Water	
Tetra Tech, 1989, 6 excursions beyond the criterion at RM 0.6 between 10/88 and 9/89.; Mathews, et al. 1994, 20 excursions at Site 25 (RM 0.6) in 1994.; Mathews, et al. 1995, 20 excursions at Site 25 (RM 0.6) in 1995.;												
1	7107	5	Y	KAMM (STICKNEY) SLOUGH	LS95QH	3.195	40N	03E	22	Dissolved oxygen	Water	
STICKNEY	Mathews, et al. 1995, 17 excursions at Northwood Road (RM 0.5) in 1995.										Name administratively changed from MORMON DITCH to KAMM (STICKNEY) SLOUGH, preferred name is	
	Mathews, et al. 1994, 19 excursions at Northwood Road (RM 0.5) in 1994.										SLOUGH. -kk	
	U.S.Geological Survey data from NWIS database station 12211400 (Kamm Cr. (Morman ditch) at Lynden) shows 1 excursions beyond the criterion out of 1 samples collected between 01/93 - 10/00.											
	Western Washington University unpublished data from station WWU-27 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1993-1998.											
Tetra Tech, 1989, 10 excursions beyond the criterion at RM 0.5 between 11/88 and 9/89.												
1	7092	5	Y	KAMM (STICKNEY) SLOUGH	LS95QH	1.096	40N	03E	21	pH	Water	
Mathews, et al. 1995, 16 excursions out of 26 samples (61%) beyond the criterion at Site 25 (RM 0.6) in 1995.;										Low pH		
1	7108	5	Y	KAMM (STICKNEY) SLOUGH	LS95QH	3.195	40N	03E	22	pH	Water	
STICKNEY	U.S.Geological Survey data from NWIS database station 12211400 (Kamm Cr. (Morman ditch) at Lynden) shows 1 excursions beyond the criterion out of 1 samples collected between 01/93 - 10/00.										Name administratively changed from MORMON DITCH to KAMM (STICKNEY) SLOUGH, preferred name is	
	Western Washington University unpublished data from station WWU-27 (submitted by Sue Blake of Whatcom County on 17 December 2002) show 53 excursions beyond the criterion from 123 measurements collected in 1993-1998.										SLOUGH. -kk	
	Mathews, et al. 1996, 21 excursions out of 26 samples (81%) beyond the criterion at Northwood Road (RM 0.5) in 1994.										Low pH	

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	Remarks		
				Basis										
1	7104	5	Y	KAMM CREEK	AC76JK	0.46	40N	03E	15	Dissolved oxygen	Water			
				Western Washington University unpublished data from station WWU-23 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1993-1998.										Administrative name change from KAMM (STICKNEY) SLOUGH to KAMM CREEK 01/24/05. -kk
				Western Washington University unpublished data from station WWU-24 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1994-1998.										During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues to
				Mathews, et al. 1995, 15 excursions out of 26 samples (58%) beyond the criterion at Site 24 (RM 2.5) in 1995.										
				Mathews, et al. 1994, 10 excursions out of 22 samples (45%) beyond the criterion at Site 24 (RM 2.5) in 1994.										
				Mathews, et al. 1995, 4 excursions out of 26 samples (15%) beyond the criterion at Site 23 (RM 3.1) in 1995.								be impaired. (Braley, ECY/WQP, 2003)		
				Mathews, et al. 1994, 9 excursions out of 22 samples (41%) beyond the criterion at Site 23 (RM 3.1) in 1994.										
1	38975	5	N	KAMM CREEK	AC76JK	2.59	40N	03E	14	Dissolved oxygen	Water			
				Western Washington University unpublished data from station WWU-26 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1994-1997.										
1	38978	5	N	KAMM CREEK	LS95QH	0.09	40N	03E	20	Dissolved oxygen	Water			
				Western Washington University unpublished data from station WWU-25 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1993-1998.										
1	7098	5	Y	KAMM CREEK	AC76JK	0.46	40N	03E	15	pH	Water			
				Western Washington University unpublished data from station WWU-24 (submitted by Sue Blake of Whatcom County on 17 December 2002) show 37 excursions beyond the criterion from 104 measurements collected in 1993-1998.										Administrative name change from KAMM (STICKNEY) SLOUGH to KAMM CREEK 01/24/05. -kk
				Western Washington University unpublished data from station WWU-23 (submitted by Sue Blake of Whatcom County on 17 December 2002) show 46 excursions beyond the criterion from 124 measurements collected in 1993-1998.										Low pH
				Mathews, et al. 1995, 18 excursions out of 26 samples (69%) beyond the criterion at Site 23 (RM 3.1) in 1995.										
				Mathews, et al. 1994, 5 excursions out of 22 samples (23%) beyond the criterion at Site 24 (RM 2.5) in 1994.										
				Mathews, et al. 1995, 17 excursions out of 26 samples (65%) beyond the criterion at Site 24 (RM 2.5) in 1995.										
				U.S.Geological Survey data from NWIS database station 12211390 (Kamm (Stickney) Slough @ Kamm rd. nr Lynden) shows 0 excursions beyond the criterion out of 1 samples collected between 01/93 - 10/00.										
1	39282	5	N	KAMM CREEK	AC76JK	2.59	40N	03E	14	pH	Water			
				Western Washington University unpublished data from station WWU-26 (submitted by Sue Blake of Whatcom County on 17 December 2002) show 31 excursions beyond the criterion from 105 measurements collected in 1993-1998.										Low pH

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium	
1	39285	5	N	KAMM CREEK	LS95QH	0.09	40N	03E	20	pH	Western Washington University unpublished data from station WWU-25 (submitted by Sue Blake of Whatcom County on 17 December 2002) show 30 excursions beyond the criterion from 123 measurements collected in 1993-1998.	Low pH	Water
1	42099	5	N	KENDALL CREEK	FO80GQ	0.482	39N	05E	03	Temperature	Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station NF0020 (Kendall Creek) shows between 6/20/2003 and 9/8/2003 there were 31 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 19.12 °Celcius for the 7-day period ending July 16, 2003.		Water
1	35243	5	N	KENNEY CREEK	FD96YP	0	39N	05E	22	Temperature	Lummi Nation unpublished data at station LNT-2484 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 16.7 degrees C from continuous measurements collected in 1996.		Water
1	38981	5	N	LINCOLN CREEK	GZ41HO	0	38N	03E	29	Dissolved oxygen	City of Bellingham data from station COB-LIN5 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1990, 1991, 1994, 1995, 1996, 1997, and 1998.		Water
										City of Bellingham data from station COB-LIN3 (submitted by Sue Blake of Whatcom County on 17 December 2002) show no excursions beyond the criterion from measurements collected in 2001.			
										City of Bellingham data from station COB-LIN2 (submitted by Sue Blake of Whatcom County on 17 December 2002) show no excursions beyond the criterion from measurements collected in 2000.			

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information			Parameter	Medium
				Basis				Remarks	
1	39112	5	N	LINCOLN CREEK	GZ41HO	0	38N 03E 29	Fecal Coliform	Water
				City of Bellingham data from station COB-LIN5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 182 cfu/100mL from 5 samples collected in 1999.					
				City of Bellingham data from station COB-LIN5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 145 cfu/100mL from 5 samples collected in 1998.					
				City of Bellingham data from station COB-LIN5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 27 cfu/100mL from 5 samples collected in 1997.					
				City of Bellingham data from station COB-LIN5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 111 cfu/100mL from 9 samples collected in 1996.					
				City of Bellingham data from station COB-LIN5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 103 cfu/100mL from 12 samples collected in 1995.					
				City of Bellingham data from station COB-LIN5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 37 cfu/100mL from 12 samples collected in 1994.					
				City of Bellingham data from station COB-LIN5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 148 cfu/100mL from 11 samples collected in 1993.					
				City of Bellingham data from station COB-LIN5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 172 cfu/100mL from 11 samples collected in 1992.					
				City of Bellingham data from station COB-LIN4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 177 cfu/100mL from 2 samples collected in 1994.					
				City of Bellingham data from station COB-LIN4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 180 cfu/100mL from 11 samples collected in 1993.					
				City of Bellingham data from station COB-LIN4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 298 cfu/100mL from 10 samples collected in 1992.					
				City of Bellingham data from station COB-LIN3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 84 cfu/100mL from 1 samples collected in 2001.					
				City of Bellingham data from station COB-LIN2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 93 cfu/100mL from 4 samples collected in 2000.					

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
1	39202	5	N	LINCOLN CREEK	GZ41HO	0	38N	03E	29	Temperature		Water
City of Bellingham data from station COB-LIN5 (Lincoln Creek at Whatcom Creek) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1995, 1996 and 1998.												
City of Bellingham data from station COB-LIN3 (Lincoln Creek Near Haskell Business Park) submitted by Sue Blake of Whatcom County on 17 December 2002 shows no excursions beyond the criterion from measurements collected in 2001.												
City of Bellingham data from station COB-LIN2 (Lincoln Creek at Fraser) submitted by Sue Blake of Whatcom County on 17 December 2002 shows no excursions beyond the criterion from measurements collected in 2000.												
1	7106	5	Y	LUMMI RIVER	YI44ML	6.184	39N	02E	31	Fecal Coliform		Water
Deardorff, 1994, shows a geometric mean of 1958 cfu/100mL from 8 samples collected at RM 4.0 (just upstream of the reservation boundary) during 1994.												
1	6234	5	Y	NOOKSACK RIVER	OS27OC	31.722	39N	07E	03	Fine Sediment		Water
The following references document habitat alterations: Schuett-Hames, 1984a and Schuett-Hames, 1988b,(same data), 14% in 1983 The following references document impairment of characteristic uses: Doughty, 1987, documented decline in Chinook stock SASSI, 1993, Chinook stock listed as critical. The following references document human-caused contribution of sediment: Benda, 1993 Gowen, 1989 PEAK NW, 1986a PEAK NW, 1986b												
1	36849	5	N	NOOKSACK RIVER	ZA83VD	8.091	39N	02E	31	Temperature		Water
Lummi Nation unpublished data at station LNT-2487 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 18.1 degrees C from continuous measurements collected in 1996.												
1	37812	5	N	NOOKSACK RIVER	ZA83VD	4.334	38N	02E	05	Temperature		Water
U.S. Geological Survey unpublished data at station 12213140 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 18.07 degrees C from continuous measurements collected in 1996. U.S. Geological Survey unpublished data at station 12213140 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 16.94 degrees C from continuous measurements collected in 1997.												
U.S.Geological Survey data from NWIS database station 12213140 (Nooksack R. At Brennan) shows 0 excursions beyond the criterion out of 40 samples collected between 01/93 - 10/00.												
Joy (2000) station RM3R (Nooksack River RM3R) shows 0 excursions beyond the criterion out of 1 samples collected between 02/97 - 02/98.												
Joy (2000) station RM3.5 (Nooksack River RM3.5) shows 0 excursions beyond the criterion out of 1 samples collected between 02/97 - 02/98.												
Joy (2000) station RM2.5 (Nooksack River RM2.5) shows 0 excursions beyond the criterion out of 1 samples collected between 02/97 - 02/98.												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
1	35237	5	N	NOOKSACK RIVER, M.F. City of Bellingham unpublished data at station COB-WELCOMECTR (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 16.4 degrees C from continuous measurements collected in 1998. City of Bellingham unpublished data at station COB-WELCOMECTR (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 15.0 degrees C from continuous measurements collected in 2000.	UL53CF	0.991	39N	05E	34	Temperature		Water
1	35240	5	N	NOOKSACK RIVER, M.F. Lummi Nation unpublished data at station LNT-2480 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 16.9 degrees C from continuous measurements collected in 1996.	UL53CF	2.468	39N	05E	34	Temperature		Water
1	6230	5	Y	NOOKSACK RIVER, S.F. The following reference documents habitat alterations: Schuett-Hames, 1984a, 10.7% in 1982 Schuett-Hames, 1988b, mean value 11.7% from 1982-1987 The following references document impairment of characteristic uses: Doughty, 1987, documented decline in Chinook stock SASSI, 1993, Chinook stock listed as critical. The following references document human-caused contribution of sediment: Benda, 1993 CES, 1993 Gowen, 1989 PEAK NW, 1986a PEAK NW, 1986b	CQ54VT	34.205	36N	06E	20	Fine Sediment		Water
1	7112	5	Y	NOOKSACK RIVER, S.F. Data collected by the Lummi Nation Natural Resources Department (submitted by Leroy Deardorf on 10/29/97) show that 35% of the measurements exceeded the criterion in 7/96.	CQ54VT	1.011	38N	05E	07	Temperature	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	Water
1	7113	5	Y	NOOKSACK RIVER, S.F. Data submitted by Dan Neff of the Lummi Fisheries Department show 29 excursions beyond the criterion between 7/28/92 and 8/30/92.	CQ54VT	27.801	36N	05E	12	Temperature	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	Water
1	35244	5	N	NOOKSACK RIVER, S.F. Lummi Nation unpublished data at station LNT-2485 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 17.9 degrees C from continuous measurements collected in 1996.	CQ54VT	53.267	36N	07E	03	Temperature		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
1	35246	5	N	NOOKSACK RIVER, S.F. Lummi Nation unpublished data at station LNT-2490 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 20.9 degrees C from continuous measurements collected in 1996.	CQ54VT	31.202	36N	06E	18	Temperature	Water
1	36838	5	N	NOOKSACK RIVER, S.F. Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station SF0085 (South Fork Nooksack above Hutchinson) shows between 6/14/2003 and 9/17/2003 there were 7 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 19.0 degrees Celcius for the 7-day period ending September 3, 2003. Whatcom Conservation District unpublished data at station ACME-I (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 21.9 degrees C from continuous measurements collected in 1998.	CQ54VT	14.986	37N	05E	09	Temperature	Water
1	36839	5	N	NOOKSACK RIVER, S.F. Whatcom Conservation District unpublished data at station ACME-J (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 21.5 degrees C from continuous measurements collected in 1998.	CQ54VT	8.768	38N	05E	31	Temperature	Water
1	36840	5	N	NOOKSACK RIVER, S.F. Whatcom Conservation District unpublished data at station ACME-L (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 21.3 degrees C from continuous measurements collected in 1998. Nooksack Indian Tribe unpublished data from station Nooksack-8 (South Fork Nooksack River at Potter Bridge) submitted by Sue Blake of Whatcom County on 17 December 2002 shows no excursions beyond the criterion from measurements collected in 1995- 1997. Whatcom Conservation District unpublished data from station ACME-18 (South Fork Nooksack River (L)) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1998. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01F070 (SF Nooksack @ Potter Rd) shows 0 excursions beyond the criterion out of 12 samples collected between 1993 - 2001	CQ54VT	3.061	38N	05E	17	Temperature	Water
1	36846	5	N	NOOKSACK RIVER, S.F. Lummi Nation unpublished data at station LNT-2475 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 20.7 degrees C from continuous measurements collected in 1996.	CQ54VT	1.848	38N	05E	08	Temperature	Water
1	39232	5	N	NOOKSACK RIVER, S.F. Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station SF0098 (South Fork Nooksack @ Saxon Bridge) shows between 6/7/2003 and 9/10/2003 there were 56 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 23.05 degrees Celcius for the 7-day period ending August 1, 2003. Utah State University unpublished data from station USU-5 (South Fork Nooksack River) submitted by Sue Blake of Whatcom County on 17 December 2002 shows no excursions beyond the criterion from measurements collected in 2000. Nooksack Indian Tribe unpublished data from station Nooksack-3 (South Fork Nooksack River at Saxon Bridge) submitted by Sue Blake of Whatcom County on 17 December 2002 shows no excursions beyond the criterion from measurements collected in 1995- 1997.	CQ54VT	17.786	37N	05E	21	Temperature	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
1	42100	5	N	NOOKSACK RIVER, S.F. Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station SF0025 (South Fork Nooksack Above Todd Water) shows between 6/19/2003 and 9/7/2003 there were 61 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 22.62 °Celcius for the 7-day period ending August 1, 2003.	CQ54VT	5.176	38N	05E	19	Temperature	Water
1	42101	5	N	NOOKSACK RIVER, S.F. Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station SF0045 (South Fork Nooksack (RM 5.5)) shows between 6/18/2003 and 9/17/2003 there were 64 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 22.82 °Celcius for the 7-day period ending August 1, 2003.	CQ54VT	6.927	38N	05E	30	Temperature	Water
1	42103	5	N	NOOKSACK RIVER, S.F. Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station SF0070 (South Fork Nooksack @ Rothenbueler Road) shows between 6/17/2003 and 9/10/2003 there were 64 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 23.14 °Celcius for the 7-day period ending August 1, 2003. Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station SF0065 (Landing Strip Creek) shows between 6/18/2003 and 9/17/2003 there were 64 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 23.08 °Celcius for the 7-day period ending August 1, 2003.	CQ54VT	13.013	37N	05E	08	Temperature	Water
1	42105	5	N	NOOKSACK RIVER, S.F. Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station SF0090 (South Fork (RM 11.5)) shows between 6/18/2003 and 9/10/2003 there were 61 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 22.03 °Celcius for the 7-day period ending August 1, 2003.	CQ54VT	15.837	37N	05E	16	Temperature	Water
1	42111	5	N	NOOKSACK RIVER, S.F. Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station SF0022 (South Fork Nooksack blw Todd Creek) shows in year 2003 there were 61 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance in this year was 22.60 °Celcius for the 7-day period ending August 1, 2003.	CQ54VT	3.821	38N	05E	18	Temperature	Water
1	39003	5	N	PADDEN CREEK City of Bellingham data from station COB-PAD1 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1994, 1995 and 1996. City of Bellingham data from station COB-PAD2 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1996.	PB65NR	2.329	37N	03E	07	Dissolved oxygen	Water
1	39005	5	N	PADDEN CREEK City of Bellingham data from station COB-PAD7 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1991, 1994, 1995 and 1996.	PB65NR	0	37N	02E	99	Dissolved oxygen	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
1	39128	5	N	PADDEN CREEK	PB65NR	2.329	37N	03E	07	Fecal Coliform		Water
City of Bellingham data from station COB-PAD1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 11 cfu/100mL from 4 samples collected in 2000.												
City of Bellingham data from station COB-PAD1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 117 cfu/100mL from 5 samples collected in 1999.												
City of Bellingham data from station COB-PAD1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 483 cfu/100mL from 4 samples collected in 1998.												
City of Bellingham data from station COB-PAD1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 17 cfu/100mL from 5 samples collected in 1997.												
City of Bellingham data from station COB-PAD1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 29 cfu/100mL from 9 samples collected in 1996.												
City of Bellingham data from station COB-PAD1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 18 cfu/100mL from 12 samples collected in 1995.												
City of Bellingham data from station COB-PAD1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 142 cfu/100mL from 12 samples collected in 1994.												
City of Bellingham data from station COB-PAD1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 130 cfu/100mL from 12 samples collected in 1993.												
City of Bellingham data from station COB-PAD1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 91 cfu/100mL from 12 samples collected in 1992.												
City of Bellingham data from station COB-PAD1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 2 cfu/100mL from 1 samples collected in 2001.												
City of Bellingham data from station COB-PAD2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 3 cfu/100mL from 1 samples collected in 2001.												
City of Bellingham data from station COB-PAD2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 4 cfu/100mL from 3 samples collected in 2000.												
City of Bellingham data from station COB-PAD2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 10 cfu/100mL from 5 samples collected in 1999.												
City of Bellingham data from station COB-PAD2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 22 cfu/100mL from 4 samples collected in 1998.												
City of Bellingham data from station COB-PAD2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 11 cfu/100mL from 4 samples collected in 1997.												
City of Bellingham data from station COB-PAD2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 4 cfu/100mL from 2 samples collected in 1996.												

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
1	39130	5	N	PADDEN CREEK	PB65NR	0.68	37N	02E	12	Fecal Coliform		Water
City of Bellingham data from station COB-PAD4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 513 cfu/100mL from 9 samples collected in 1994.												
City of Bellingham data from station COB-PAD5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 432 cfu/100mL from 11 samples collected in 1993.												
City of Bellingham data from station COB-PAD6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 509 cfu/100mL from 11 samples collected in 1993.												
1	39133	5	N	PADDEN CREEK	PB65NR	0	37N	02E	99	Fecal Coliform		Water
City of Bellingham data from station COB-PAD7 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 220 cfu/100mL from 1 samples collected in 2001.												
City of Bellingham data from station COB-PAD7 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 20 cfu/100mL from 4 samples collected in 2000.												
City of Bellingham data from station COB-PAD7 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 305 cfu/100mL from 5 samples collected in 1999.												
City of Bellingham data from station COB-PAD7 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 176 cfu/100mL from 5 samples collected in 1998.												
City of Bellingham data from station COB-PAD7 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 146 cfu/100mL from 5 samples collected in 1997.												
City of Bellingham data from station COB-PAD7 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 487 cfu/100mL from 9 samples collected in 1996.												
City of Bellingham data from station COB-PAD7 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 293 cfu/100mL from 12 samples collected in 1995.												
City of Bellingham data from station COB-PAD7 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 417 cfu/100mL from 12 samples collected in 1994.												
City of Bellingham data from station COB-PAD7 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 435 cfu/100mL from 12 samples collected in 1993.												
City of Bellingham data from station COB-PAD7 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 243 cfu/100mL from 12 samples collected in 1992.												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
1	39223	5	N	PADDEN CREEK City of Bellingham data from station COB-PAD1 (Padden Creek at 30th Street) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1992, 1994, 1995, and 1997. City of Bellingham data from station COB-PAD2 (Padden Creek at 38th Street) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1997. Seiders (2001) station PC-4 (PADDEN CR SAMPLING SITE #4) shows 0 excursions beyond the criterion out of 4 samples collected between 04/01 - 06/01.	PB65NR	2.329	37N	03E	07	Temperature		Water
1	17299	5	N	PADDEN LAKE Seiders, 2002. show the National Toxics Rule criterion was exceeded in fillet samples of Cutthroat trout collected in 2001.	758LBQ		37N	03E	08	Total PCBs		Tissue
1	42468	5	N	PANGBORN CREEK Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station PNG shows the following: 6 of 24 samples (25.0%) exceeded the percentile criterion in 2002; 6 of 19 samples (31.6%) exceeded the percentile criterion in 2003.	PJ69OE	0.059	40N	04E	05	Fecal Coliform		Water
1	42336	5	N	PLUMBAGO CREEK Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station SF0130 (Plumbago Creek) shows between 6/18/2003 and 9/8/2003 there were 5 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance in this year was 16.18 °Celsius for the 7-day period ending August 2, 2003. Lummi Nation unpublished data at station LNT-2473 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 16.2 degrees C from continuous measurements collected in 1996.	BO79NP	0.337	36N	05E	13	Temperature		Water
1	39226	5	N	PORTER CREEK Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station MF0040 (Lower Porter Creek) shows between 6/19/2003 and 7/20/2003 there were 6 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance in this year was 16.84 °Celsius for the 7-day period ending July 20, 2003. Nooksack Indian Tribe unpublished data from station Nooksack-11 (Porter Creek at Mosquito Lake Road) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1996.	NT09YV	0	38N	05E	11	Temperature	Changed from Category 2 to Category 5 on 01/20/05 due to consolidation with Listing ID 42108 (cat 5). -kk	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Medium	Remarks	
1	6228	5	Y	RACEHORSE CREEK The following references document habitat alterations: Schuett-Hames, 1984a, 19.7% in 1983. Schuett-Hames, 1988b, 17.8% in 1985. The following references document impairment of characteristic uses: Schuett-Hames, 1987, documented decline in Chinook stock Doughty, 1987, documented decline in Chinook stock. The following references document human-caused contribution of sediment: Benda, 1993 Gowen, 1989 PEAK NW, 1986a PEAK NW, 1986b.	HM16MY	0	39N	05E	10	Fine Sediment	Water	
1	7118	5	Y	RACEHORSE CREEK Data collected by the Lummi Fisheries Department (submitted by Dan Neff on 5/10/93) show 32 excursions beyond the criterion between 7/24/92 and 9/4/92.	HM16MY	0	39N	05E	10	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
1	39227	5	N	RACEHORSE CREEK Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station NF0015 (Racehorse Creek) shows between 6/19/2003 and 9/8/2003 there were 14 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 19.19 °Celcius for the 7-day period ending August 1, 2003. Nooksack Indian Tribe unpublished data from station Nooksack-22 (Racehorse Creek) submitted by Sue Blake of Whatcom County on 17 December 2002 shows no excursions beyond the criterion from measurements collected in 1995- 1997.	HM16MY	1.471	39N	05E	11	Temperature	Water	Changed from Category 1 to Category 5 on 01/20/05 due to consolidation with Listing ID 42098 (cat 5). -kk
1	7119	5	Y	ROARING CREEK Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station SF0135 (Deer Creek) shows between 6/12/2003 and 9/8/2003 there were 40 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance in this year was 18.34 °Celcius for the 7-day period ending August 1, 2003. Lummi Nation unpublished data at station LNT-2476 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 16.6 degrees C from continuous measurements collected in 1996. Data collected by the Lummi Nation Natural Resources Department (submitted by Leroy Deardorf on 10/29/97) show that 10% of the measurements exceeded the criterion in 7/96.	XP86DV	0	36N	06E	18	Temperature	Water	Consolidated with Listing IDs 42113 (cat 5) and 36847 (cat 5) on 01/26/05. -kk Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
1	7120	5	Y	SILVER BEACH CREEK Matthews, et al. 1997. , 5 excursions beyond the upper criterion out of 6 samples (83%) at a station upstream of Northshore road culvert between 7/94 and 7/96.	TT37OY	0	38N	03E	22	Fecal Coliform	Water	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Medium	Remarks	
1	7127	5	Y	SILVER CREEK Western Washington University (1993), 21 excursions beyond the criterion out of 55 samples (38%) between 7/91 and 5/93 at Site 3 (RM 1.7). Joy (2000) station 01TSIL (SILVER CREEK AT MARINE DR.) shows 2 excursions beyond the criterion measured on these dates: 97/04/28, 97/04/30,	WO95OB	0.13	38N	02E	08	Dissolved oxygen	Water	
1	7129	5	Y	SILVER CREEK Western Washington University (1993), 8 excursions beyond the criterion out of 55 samples (15%) between 7/91 and 5/93 at Site 5 (RM 3.0).	WO95OB	4.447	39N	02E	33	Dissolved oxygen	Water	
1	7131	5	Y	SILVER CREEK Western Washington University (1993), 18 excursions beyond the upper criterion between 7/91 and 5/93 at Site 6 (RM 3.5).	WO95OB	5.016	39N	02E	34	Dissolved oxygen	Water	
1	10518	5	Y	SILVER CREEK Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01B050 (Silver Cr nr Brennan) shows 5 excursions beyond the criterion out of 8 samples collected between 1993 - 2001 measured on these dates: 93/05/18, 93/06/22, 93/07/20, 93/08/17, 93/09/21, City of Bellingham data from station COB-SIL2 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 2000.	WO95OB	2.592	38N	02E	04	Dissolved oxygen	Water	During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues to be impaired. (Braley, ECY/WQP, 2003)
1	7128	5	Y	SILVER CREEK Western Washington University (1993), 9 excursions beyond the upper criterion between 7/91 and 5/93 at Site 3 (RM 1.7). Joy (2000) station 01TSIL (SILVER CREEK AT MARINE DR.) shows the geometric mean of 134 exceeds the criterion and that 25 % of the samples exceeds the percentile criterion from 4 samples collected during 1997.; ;	WO95OB	0.13	38N	02E	08	Fecal Coliform	Water	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
1	7130	5	Y	SILVER CREEK Western Washington University (1993), 18 excursions beyond the upper criterion between 7/91 and 5/93 at Site 5 (RM 3.0).	WO95OB	4.447	39N	02E	33	Fecal Coliform	Water	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
1	16686	5	Y	SILVER CREEK Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01B050 (Silver Creek near Brennan) shows a geometric mean of 131 exceeds the criterion and that 25% of the samples exceeds the percentile criterion from 8 samples collected during 1993. City of Bellingham data from station COB-SIL2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 66 cfu/100mL from 2 samples collected in 2000.	WO95OB	2.592	38N	02E	04	Fecal Coliform	Water	

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium
				Basis						Remarks	
1	39019	5	N	SQUALICUM CREEK City of Bellingham data from station COB-SQA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1994, 1995, 1996, 1997, 1998, 1999, and 2000.	ZV66WA	7.387	38N	03E	09	Dissolved oxygen	Water
1	39020	5	N	SQUALICUM CREEK City of Bellingham data from station COB-SQA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1990, 1991, 1992, and 1993.	ZV66WA	6.058	38N	03E	16	Dissolved oxygen	Water
1	39021	5	N	SQUALICUM CREEK City of Bellingham data from station COB-SQA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1990, 1991, 1994, 1995, 1996, 1997, 1998, and 1999.	ZV66WA	2.656	38N	03E	18	Dissolved oxygen	Water
1	39150	5	N	SQUALICUM CREEK City of Bellingham data from station COB-SQA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 116 cfu/100mL from 1 samples collected in 2001. City of Bellingham data from station COB-SQA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 105 cfu/100mL from 4 samples collected in 2000. City of Bellingham data from station COB-SQA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 215 cfu/100mL from 5 samples collected in 1999. City of Bellingham data from station COB-SQA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 151 cfu/100mL from 5 samples collected in 1998. City of Bellingham data from station COB-SQA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 98 cfu/100mL from 5 samples collected in 1997. City of Bellingham data from station COB-SQA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 159 cfu/100mL from 9 samples collected in 1996. City of Bellingham data from station COB-SQA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 111 cfu/100mL from 12 samples collected in 1995. City of Bellingham data from station COB-SQA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 321 cfu/100mL from 10 samples collected in 1994. City of Bellingham data from station COB-SQA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 110 cfu/100mL from 5 samples collected in 1992.	ZV66WA	7.387	38N	03E	09	Fecal Coliform	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium
				Basis						Remarks	
1	39151	5	N	SQUALICUM CREEK City of Bellingham data from station COB-SQA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 119 cfu/100mL from 10 samples collected in 1993. City of Bellingham data from station COB-SQA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 101 cfu/100mL from 11 samples collected in 1992.	ZV66WA	6.058	38N	03E	16	Fecal Coliform	Water
1	39152	5	N	SQUALICUM CREEK City of Bellingham data from station COB-SQA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 40 cfu/100mL from 1 samples collected in 2001. City of Bellingham data from station COB-SQA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 151 cfu/100mL from 4 samples collected in 2000. City of Bellingham data from station COB-SQA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 147 cfu/100mL from 5 samples collected in 1999. City of Bellingham data from station COB-SQA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 51 cfu/100mL from 4 samples collected in 1998. City of Bellingham data from station COB-SQA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 38 cfu/100mL from 5 samples collected in 1997. City of Bellingham data from station COB-SQA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 68 cfu/100mL from 9 samples collected in 1996. City of Bellingham data from station COB-SQA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 92 cfu/100mL from 12 samples collected in 1995. City of Bellingham data from station COB-SQA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 191 cfu/100mL from 11 samples collected in 1994. City of Bellingham data from station COB-SQA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 91 cfu/100mL from 12 samples collected in 1993. City of Bellingham data from station COB-SQA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 69 cfu/100mL from 11 samples collected in 1992.	ZV66WA	2.656	38N	03E	18	Fecal Coliform	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
1	39153	5	N	SQUALICUM CREEK	ZV66WA	0.064	38N	02E	43	Fecal Coliform		Water
				City of Bellingham data from station COB-SQA4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 100 cfu/100mL from 1 samples collected in 2001								
				City of Bellingham data from station COB-SQA4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 176 cfu/100mL from 4 samples collected in 2000.								
				City of Bellingham data from station COB-SQA4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 335 cfu/100mL from 5 samples collected in 1999.								
				City of Bellingham data from station COB-SQA4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 159 cfu/100mL from 5 samples collected in 1998.								
				City of Bellingham data from station COB-SQA4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 27 cfu/100mL from 4 samples collected in 1997.								
				City of Bellingham data from station COB-SQA4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 169 cfu/100mL from 9 samples collected in 1996.								
				City of Bellingham data from station COB-SQA4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 114 cfu/100mL from 12 samples collected in 1995.								
				City of Bellingham data from station COB-SQA4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 70 cfu/100mL from 12 samples collected in 1994.								
				City of Bellingham data from station COB-SQA4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 166 cfu/100mL from 12 samples collected in 1993.								
				City of Bellingham data from station COB-SQA4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 176 cfu/100mL from 12 samples collected in 1992.								
1	41332	5	N	SQUALICUM CREEK	ZV66WA	2.656	38N	03E	18	Pentachlorophenol		Water
				Anderson, P., Roose, M., (2004), station SQ5 shows that 2 of 2 samples exceed the criterion and 1 of 2 samples exceeds the National Toxics Rule criterion.								
1	39239	5	N	SQUALICUM CREEK	ZV66WA	7.387	38N	03E	09	Temperature		Water
				City of Bellingham data from station COB-SQA1 (Squalicum Creek at East Bakerview) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1994, 1996, 1997 and 1998.								
1	39241	5	N	SQUALICUM CREEK	ZV66WA	2.656	38N	03E	18	Temperature		Water
				Anderson, P., Roose, M., (2004), station SQ5 shows 1 samples exceeded the criterion in year 2003.								
				City of Bellingham data from station COB-SQA3 (Squalicum Creek at Meridian) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1996, 1997 and 1998.								

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information						Parameter	Remarks	Medium
1	41772	5	N	SQUALICUM CREEK Anderson, P., Roose, M., (2004), station SQ1 shows that 3 of 3 samples collected in years 2002 and 2003 exceeded the chronic criterion. Anderson, P., Roose, M., (2004), station SQ3 shows that 3 of 3 samples collected in years 2002 and 2003 exceeded the chronic criterion.	ZV66WA	1.052	38N	02E	24		Zinc		Water
1	41776	5	N	SQUALICUM CREEK Anderson, P., Roose, M., (2004), station SQ5 shows that 3 of 3 samples collected in years 2002 and 2003 exceeded the chronic criterion and 1 sample collected in 2002 exceeded the acute criterion.	ZV66WA	2.656	38N	03E	18		Zinc		Water
1	42520	5	N	SUMAS RIVER Hallock (2003), Dept. of Ecology ambient station 01D080 shows a total of 3 samples in years 2001 and 2002 exceeded the criterion.	MS54MP	32.094	41N	04E	36		Dissolved oxygen		Water
1	6596	5	Y	SUMAS RIVER Hallock (2004), Dept. of Ecology ambient station 01D080 shows a geometric mean of 154.3 exceeded the criterion in year 2002; and shows 4 of 8 samples (50%) in year 2002 exceeded the percentile criterion. 9 excursions beyond the criterion out of 9 samples (100%) at Ecology ambient monitoring station 01D070 (RM 11.9) between 9/91 and 9/96. Cusimano, 1992.. 2 excursion beyond the upper criterion collected at RM 13.4 in 9/91.	MS54MP	32.094	41N	04E	36		Fecal Coliform	Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.	Water
1	16407	5	N	SUMAS RIVER Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01D120 (Sumas R nr Nooksack) shows a geometric mean of 603 exceeds the criterion and that 67% of the samples exceeds the percentile criterion from 3 samples collected during 1996.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01D120 (Sumas R nr Nooksack) shows a geometric mean of 216 exceeds the criterion and that 38% of the samples exceeds the percentile criterion from 8 samples collected during 1997.	MS54MP	51.36	40N	04E	21		Fecal Coliform		Water
1	37814	5	N	SYGITOWICZ CREEK Whatcom Conservation District unpublished data at station ACME-B (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 18.7 degrees C from continuous measurements collected in 1998.	FC38MR	0.739	38N	04E	24		Temperature		Water
1	14445	5	N	TENMILE CREEK Joy (2000) station 01TTEN (AT MOUTH BELOW BARRETT LAKE) shows 17 excursions beyond the criterion measured on these dates: 97/03/17, 97/04/28, 97/04/30, 97/05/12, 97/06/18, 97/07/22, 97/08/25, 97/08/26, 97/08/27, 97/09/22, 97/09/23, 97/09/24, 97/11/16, 97/11/17, 97/11/18, 97/11/19, 98/02/23,	FY02EA	0	39N	02E	20		Dissolved oxygen	During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues to be impaired. (Braley, ECY/WQP, 2003)	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
1	5834	5	Y	TENNANT CREEK Silver Creek Watershed Management Committee, 1989. , 5 excursions at Site 4 (RM 1.0) in 1988.; Western Washington University (1993), 18 excursions beyond the criterion out of 55 samples (33%) between 7/91 and 5/93 at Site 4 (RM 1.0).	EL82JG	0	38N	02E	04	Dissolved oxygen	Water
1	5836	5	N	TENNANT CREEK Western Washington University (1993), excursions beyond the criterion out of 55 samples (4%) at Site 4 (RM 1.0) during 1991, 1992, and 1993..	EL82JG	0	38N	02E	04	Temperature	Water
1	41333	5	N	TOAD LAKE CREEK Anderson, P., Roose, M., (2004), station SQ6 shows that 2 of 2 sample exceeds the criterion..	YG94EC	0	38N	03E	09	Pentachlorophenol	Water
1	41777	5	N	TOAD LAKE CREEK Anderson, P., Roose, M., (2004), station SQ6 shows that 2 of 3 samples collected in years 2002 and 2003 exceeded the chronic criterion.	YG94EC	0	38N	03E	09	Zinc	Water
1	37813	5	N	TODD CREEK Whatcom Conservation District unpublished data at station ACME-A (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 19.8 degrees C from continuous measurements collected in 1998.	GK65ZS	1.766	38N	04E	13	Temperature	Water
1	7094	5	Y	UNNAMED CREEK Tetra Tech, 1989 , 1 excursion beyond the criterion at RM 4.0 Mathews, et al. 1994, 10 excursions at Site 26 (RM 4.0) in 1994. Mathews, et al. 1995, 6 excursions Site 26 (RM 4.0) in 1995.	QG38LP	0.022	40N	03E	11	Dissolved oxygen	Water Administrative name change from KAMM (STICKNEY) SLOUGH to UNNAMED CREEK 01/24/05. -kk
1	39018	5	N	UNNAMED CREEK Western Washington University unpublished data from station WWU-29 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1996, 1997, and 1998.	AC76JK	3.334	40N	03E	11	Dissolved oxygen	Water
1	7099	5	Y	UNNAMED CREEK Mathews, et al. 1995, 13 excursions out of 26 samples (50%) beyond the criterion at Site 26 (RM 4.0) in 1995. Tetra Tech, 1989, 5 excursions beyond the criteria out of 11 samples at RM 4.5 between 10/88 and 9/89.	QG38LP	0.022	40N	03E	11	pH	Water Administrative name change from KAMM (STICKNEY) SLOUGH to UNNAMED CREEK 01/24/05. -kk Low pH
1	39325	5	N	UNNAMED CREEK Western Washington University unpublished data from station WWU-29 (submitted by Sue Blake of Whatcom County on 17 December 2002) show 11 excursions beyond the criterion from 27 measurements collected in 1996-1998.	AC76JK	3.334	40N	03E	11	pH	Water Low pH

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
1	42507	5	N	UNNAMED CREEK (DRAYTON HARBOR) Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station LS5 shows the following: 4 of 13 samples (30.8%) exceeded the percentile criterion in 2002; 2 of 8 samples (25.0%) exceeded the percentile criterion in 2004.	UNK000	0	00U	000U	00	Fecal Coliform	Water
1	42335	5	N	UNNAMED CREEK (PEAT BOG CREEK) Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station MF0060 (Peat Bog Creek) shows between 6/19/2003 and 9/8/2003 there were 73 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance in this year was 20.19 °Celcius for the 7-day period ending August 1, 2003.	UNK000	0	38N	05E	14	Temperature	Water
1	42499	5	N	UNNAMED CREEK (SEMIAMOO BAY) Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station CC shows the following: a geometric mean of 115.9 cfu/100mL from 22 samples collected in 2002 exceeded the criterion, and 12 of 22 samples (54.5%) exceeded the percentile criterion; 7 of 17 samples (41.2%) exceeded the percentile criterion in 2003; a geometric mean of 109.5 cfu/100mL from 8 samples collected in 2004 exceeded the criterion.	UNK000	0	00U	000U	00	Fecal Coliform	Water
1	42500	5	N	UNNAMED CREEK (SEMIAMOO BAY) Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station CCO shows the following: 8 of 23 samples (34.8%) exceeded the percentile criterion in 2002; 6 of 19 samples (31.6%) exceeded the percentile criterion in 2003.	UNK000	0	00U	000U	00	Fecal Coliform	Water
1	42497	5	N	UNNAMED CREEK (TRIB TO BERTRAND CREEK) Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station B2 shows the following: 5 of 17 samples (29.4%) exceeded the percentile criterion in 2003. Northwest Indian College unpublished data from station NWIC-B2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 88 cfu/100mL from 35 samples collected in 1999. Northwest Indian College unpublished data from station NWIC-B2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 75 cfu/100mL from 5 samples collected in 1998.	SO72ZG	0	40N	02E	27	Fecal Coliform	Water
1	42498	5	N	UNNAMED CREEK (TRIB TO BERTRAND CREEK) Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station SQ shows the following: 3 of 24 samples (12.5%) exceeded the percentile criterion in 2002; 5 of 19 samples (26.3%) exceeded the percentile criterion in 2003. Northwest Indian College unpublished data from station NWIC-BJ (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 85 cfu/100mL from 5 samples collected in 1999.	TR87ZN	2.202	41N	02E	36	Fecal Coliform	Water
1	42506	5	N	UNNAMED CREEK (TRIB TO NOOKSACK RIVER) Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station LLPL shows the following: 3 of 24 samples (12.5%) exceeded the percentile criterion in 2002; 4 of 17 samples (23.5%) exceeded the percentile criterion in 2003; 3 of 8 samples (37.5%) exceeded the percentile criterion in 2004.	UNK000	0	00U	000U	00	Fecal Coliform	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
1	42511	5	N	UNNAMED CREEK (TRIB TO SILVER CREEK) Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station SC shows the following: 3 of 24 samples (12.5%) exceeded the percentile criterion in 2002; 3 of 19 samples (15.8%) exceeded the percentile criterion in 2003.	JQ93SX	0	38N	02E	08	Fecal Coliform	Water
1	5845	5	Y	UNNAMED CREEK WDF# 01.0148 Western Washington University (1993), 5 excursions beyond the upper criterion between 9/92 and 5/93 at Site 9 (Unnamed Creek WDF# 01.0148 at RM 0.5).	PC85CB	0.81	38N	02E	03	Fecal Coliform	Water Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
1	39033	5	N	WHATCOM CREEK City of Bellingham data from station COB-WHA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1990, 1991, 1994, 1995, 1996, 1998 and 1999.	EZ19GC	4.036	38N	03E	28	Dissolved oxygen	Water
1	39034	5	N	WHATCOM CREEK City of Bellingham data from station COB-WHA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1994, 1995 and 1996. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01E050 (Whatcom Cr @ Bellingham) shows 0 excursions beyond the criterion out of 12 samples collected between 1993 - 2001	EZ19GC	0.027	38N	03E	30	Dissolved oxygen	Water
1	39035	5	N	WHATCOM CREEK City of Bellingham data from station COB-WHA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1990, 1991, 1994, and 1995. Utah State University unpublished data from station USU-1 (submitted by Sue Blake of Whatcom County on 17 December 2002) show no excursions beyond the criterion from measurements collected in 2000.	EZ19GC	2.176	38N	03E	29	Dissolved oxygen	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
1	16408	5	Y	WHATCOM CREEK	EZ19GC	0.027	38N	03E	30	Fecal Coliform		Water
<p>Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01E050 (Whatcom Creek at Bellingham) shows a geometric mean of 108 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 9 samples collected during 1994.</p>												
<p>Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01E050 (Whatcom Creek at Bellingham) shows a geometric mean of 390 exceeds the criterion and that 67% of the samples exceeds the percentile criterion from 3 samples collected during 1993.</p>												
<p>U.S.Geological Survey data from NWIS database station 12203540 (Whatcom Cr at James St at Bellingham) shows a geometric mean of 3200 exceeds the criterion and that 100% of the samples exceeds the percentile criterion from 1 samples collected during 1998.</p>												
<p>City of Bellingham data from station COB-WHA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 92 cfu/100mL from 1 samples collected in 2001.</p>												
<p>City of Bellingham data from station COB-WHA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 119 cfu/100mL from 4 samples collected in 2000.City of Bellingham data from station COB-WHA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 291 cfu/100mL from 5 samples collected in 1999.</p>												
<p>City of Bellingham data from station COB-WHA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 172 cfu/100mL from 5 samples collected in 1998.</p>												
<p>City of Bellingham data from station COB-WHA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 78 cfu/100mL from 5 samples collected in 1997.</p>												
<p>City of Bellingham data from station COB-WHA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 128 cfu/100mL from 12 samples collected in 1995.</p>												
<p>City of Bellingham data from station COB-WHA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 85 cfu/100mL from 12 samples collected in 1994.</p>												
<p>City of Bellingham data from station COB-WHA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 170 cfu/100mL from 11 samples collected in 1993.</p>												
<p>City of Bellingham data from station COB-WHA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 189 cfu/100mL from 12 samples collected in 1992.</p>												

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
1	39160	5	N	WHATCOM CREEK	EZ19GC	4.036	38N	03E	28	Fecal Coliform		Water
City of Bellingham data from station COB-WHA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 20 cfu/100mL from 1 samples collected in 2001.												
City of Bellingham data from station COB-WHA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 9 cfu/100mL from 4 samples collected in 2000.												
City of Bellingham data from station COB-WHA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 52 cfu/100mL from 5 samples collected in 1999.												
City of Bellingham data from station COB-WHA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 41 cfu/100mL from 5 samples collected in 1998.												
City of Bellingham data from station COB-WHA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 28 cfu/100mL from 5 samples collected in 1997.												
City of Bellingham data from station COB-WHA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 45 cfu/100mL from 9 samples collected in 1996.												
City of Bellingham data from station COB-WHA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 14 cfu/100mL from 12 samples collected in 1995.												
City of Bellingham data from station COB-WHA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 189 cfu/100mL from 12 samples collected in 1994.												
City of Bellingham data from station COB-WHA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 70 cfu/100mL from 12 samples collected in 1993.												
City of Bellingham data from station COB-WHA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 38 cfu/100mL from 12 samples collected in 1992.												
City of Bellingham data from station COB-WHA5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 15 cfu/100mL from 5 samples collected in 1992.												

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
1	39162	5	N	WHATCOM CREEK	EZ19GC	2.176	38N	03E	29	Fecal Coliform		Water
City of Bellingham data from station COB-WHA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 16 cfu/100mL from 1 samples collected in 2001.												
City of Bellingham data from station COB-WHA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 21 cfu/100mL from 4 samples collected in 2000.												
City of Bellingham data from station COB-WHA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 134 cfu/100mL from 5 samples collected in 1999.												
City of Bellingham data from station COB-WHA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 33 cfu/100mL from 5 samples collected in 1998.												
City of Bellingham data from station COB-WHA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 32 cfu/100mL from 5 samples collected in 1997.												
City of Bellingham data from station COB-WHA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 87 cfu/100mL from 9 samples collected in 1996.												
City of Bellingham data from station COB-WHA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 59 cfu/100mL from 12 samples collected in 1995.												
City of Bellingham data from station COB-WHA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 139 cfu/100mL from 12 samples collected in 1994.												
City of Bellingham data from station COB-WHA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 80 cfu/100mL from 11 samples collected in 1993.												
City of Bellingham data from station COB-WHA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 64 cfu/100mL from 11 samples collected in 1992.												
City of Bellingham data from station COB-WHA4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 53 cfu/100mL from 6 samples collected in 1992.												
1	36841	5	N	WHATCOM CREEK	EZ19GC	4.036	38N	03E	28	Temperature		Water
City of Bellingham data at station COB-CDAM (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 24.5 degrees C from continuous measurements collected in 2000.												
City of Bellingham data from station COB-WHA1 (Whatcom Creek at Control Dam) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1990-2000.												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
1	36842	5	Y	WHATCOM CREEK City of Bellingham data at station COB-DUPONT (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 23.5 degrees C from continuous measurements collected in 2000. City of Bellingham data from station COB-WHA2 (Whatcom Creek at Dupont) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1990, 1992, 1994, 1995, 1996, 1997, 1998, and 2000. U.S.Geological Survey data from NWIS database station 12203540 (Whatcom Cr at James St at Bellingham) shows 1 excursions beyond the criterion out of 1 samples collected between 01/93 - 10/00. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01E050 (Whatcom Cr @ Bellingham) shows 3 excursions beyond the criterion out of 12 samples collected between 1993 - 2001 measured on these dates: 94/07/19, 94/08/16, 94/09/20,	EZ19GC	0.027	38N	03E	30	Temperature		Water
1	36843	5	N	WHATCOM CREEK City of Bellingham data at station COB-RACINE (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 22.3 degrees C from continuous measurements collected in 2000. City of Bellingham data from station COB-WHA3 (Whatcom Creek at I-5) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1990, 1992, 1994, 1995, 1996, 1997, 1998, and 2000. Utah State University data from station USU-1 (Whatcom Creek) submitted by Sue Blake of Whatcom County on 17 December 2002 shows no excursions beyond the criterion from measurements collected in 2000.	EZ19GC	2.176	38N	03E	29	Temperature		Water
1	14024	5	N	WHATCOM LAKE Serdar, et al. 1999. show the National Toxic Rule criterion was exceeded in a composite of 8 individual fillets for kokane collected throughtout the lake.	205VNG	48122H3D3	48.735	122.335	Dieldrin		The basis cited for the assessment applies to the entire lake. The center grid segment of the lake was selected to represent this information.	Tissue
1	5846	5	Y	WHATCOM LAKE Pelletier, 1998. hypolimnetic oxygen depletion rates in Basin I show significant increase during the period 1983-1997. Erickson, 1997. Based on data collected by Mathews, et al. 1997. ten years show increasing rates of oxygen depletion with depth at Site 1 in September over the past 10 years.	205VNG	48122H4G1	48.765	122.415	Dissolved oxygen			Water
1	15889	5	N	WHATCOM LAKE Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish tissue at station LKWH10B from samples collected on 5/25/2000. Serdar et al. 2001 show no excursions beyond the National Toxic Rule Criterion in edible fish tissue at station LKWH10A from samples collected in 2000. Serdar et al. 2001 show no excursions beyond the National Toxic Rule Criterion in edible fish tissue at station LKWH72B from samples collected in 2000.	205VNG	48122H3E7	48.745	122.375	Mercury			Tissue

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
1	15890	5	N	WHATCOM LAKE	205VNG	48122G2H6	48.675	122.265	Mercury		Tissue
				Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish tissue at station LKWH38 from samples collected on 5/15/2000. Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish tissue at station LKWH39 from samples collected on 5/23/2000.							
1	15891	5	N	WHATCOM LAKE	205VNG	48122G3H1	48.675	122.315	Mercury		Tissue
				Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish tissue at station LKWH48 from samples collected on 5/22/2000.							
1	15892	5	N	WHATCOM LAKE	205VNG	48122H4G0	48.765	122.405	Mercury		Tissue
				Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish tissue at station LKWH4A from samples collected on 5/15/2000. Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish tissue at station LKWH5 from samples collected on 5/15/2000 and 5/23/2000. Serdar et al. 2001 show no excursions beyond the National Toxic Rule Criterion in edible fish tissue at station LKWH3 from samples collected in 2000. Serdar et al. 2001 show no excursions beyond the National Toxic Rule Criterion in edible fish tissue at station LKWH4B from samples collected in 2000.							
1	15893	5	N	WHATCOM LAKE	205VNG	48122H3B1	48.715	122.315	Mercury		Tissue
				Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish tissue at station LKWH62 from samples collected on 5/15/2000. Serdar et al. 2001 show no excursions beyond the National Toxic Rule Criterion in edible fish tissue at station LKWH61 from samples collected in 2000.							
1	15894	5	N	WHATCOM LAKE	205VNG	48122H3C2	48.725	122.325	Mercury		Tissue
				Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish tissue at station LKWH63A from samples collected on 5/22/2000 and 5/23/2000. Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish tissue at station LKWH63B from samples collected on 5/16/2000 and 5/23/2000.							
1	15895	5	N	WHATCOM LAKE	205VNG	48122H4F1	48.755	122.415	Mercury		Tissue
				Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish tissue at station LKWH81B from samples collected on 5/25/2000.							
1	14025	5	N	WHATCOM LAKE	205VNG	48122H3D3	48.735	122.335	Total PCBs		Tissue
				Serdar, et al. 1999. show the National Toxic Rule criterion was exceeded in composites of 8 individual fillets for both kokane and small mouth bass collected throughout the lake. Seiders, 2002. show the National Toxics Rule criterion was exceeded in fillet samples of Cutthroat trout collected in 2001.							The basis cited for the assessment applies to the entire lake. The center grid segment of the lake was selected to represent this information.

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
1	8621	5	N	WHATCOM LAKE Completed Phase I in 1988 - Problems Encountered: Tributary nutrient inputs, localized/embayment water quality deterioration. Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 10 ug/L from samples collected in 1981 which does not exceed the water quality standards nutrient criterion for the Puget Lowlands Ecoregion.	205VNG	48122H3D3	48.735	122.335	Total Phosphorus		Water
2	12325	5	N	UNNAMED CREEK Coots, 1999. data from San Juan County station L18 (South side of Johnson Lane Private Rd. off Mt. Baker View Rd.) show exceeds both criterion in 1997 and 1998 with a sample size less than 5. Coots, 1999. data from San Juan County station L17 (Pond Ellis farm) show meets both criterion in 1997 with a sample size of 1.	WK31QK	0	35N	02W 24	Fecal Coliform		Water
2	12335	5	N	UNNAMED CREEK Coots, 1999. data from San Juan County station O1 (Obstruction Pass Road, culvert North of substation.) show exceeds the percentile criterion in 1997 with a sample size of 6. Coots, 1999. data from San Juan County station O25 (BB S. of Rd. at Bohems) show meets both criterion in 1997 with a sample size of 1.	WS69BZ	0	36N	01W 09	Fecal Coliform		Water
2	12770	5	N	UNNAMED CREEK Coots, 1999. data from San Juan County station SJ6 (Wescott Bay South Stream Outlet) show meets both criterion in 1997 with a sample size of 1.	XV83AX	0	36N	04W 24	Fecal Coliform		Water
3	7133	5	Y	BROWNS SLOUGH Skagit System Cooperative data (submitted by Bob La Rock on 9-20-93) show the percentile criteria is exceeded out of 6 samples at station BRWU during 1992.	VN02NL	0.035	33N	03E 22	Fecal Coliform		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium
				Basis						Remarks	
3	6314	5	N	CAMPBELL LAKE	505RFE	34N	01E	13	Total Phosphorus	Water	
				Completed Phase I Federal Clean lakes Restoration Project in 1984. Problems Encountered: Blue-green algae, low dissolved oxygen, tributary nutrient inputs,					Completed Phase II Federal Clean Lakes Restoration		
				sediment phosphorus recycling, aquatic macrophytes. ;. Entranco, 1983.; Entranco, 1987.;					in 1988: Control measures that were implemented based on Phase I study - phosphorus precipitation/inactivation, watershed nutrient management (septic system management), aquatic macrophyte harvesting, public education. TMDL based on Phase I and Phase II restoration submitted to EPA on 8/25/93 - EPA determined TMDL was incomplete on 4/8/93. After further review, EPA approved		
									TMDL on 7/28/97. Welch and Cooke, 1995 = monitored effectiveness of control measures showed an 8 ug/l increase in whole-lake total phosphorus 6 years after implementation.		
3	6421	5	Y	CARPENTER CREEK	YA61IC	3.631	33N	04E	17	Temperature	Water
				Department of Ecology unpublished data from the Skagit TMDL Study shows a 7-day mean of daily maximum values of 22 for week ending 15 August 2001 at station 03C02 (Carpenter Creek at SR534).							
3	6422	5	N	CARPENTER CREEK	YA61IC	0	33N	04E	30	Temperature	Water
				Department of Ecology unpublished data from the Skagit TMDL Study shows a 7-day mean of daily maximum values of 22.4 for week ending 14 July 2001 at station 03C01 (Carpenter Creek nr mouth).							
				Pickett (1997) station Skagit34 (Carpenter/Fisher Creeks (CARPCK)) shows 0 excursions beyond the criterion out of 8 samples collected between 09/94 - 10/96 .							
3	39605	5	N	EDISON SLOUGH	TR24JW	0.926	36N	03E	33	Dissolved oxygen	Water
				Skagit Stream Team unpublished data show excursions beyond the criterion in 1999, 2000, 2001 and 2002.							
3	39604	5	N	EDISON SLOUGH	TR24JW	0.926	36N	03E	33	Fecal Coliform	Water
				Skagit Stream Team unpublished data show the geometric mean criterion was exceeded in 2000 and 2001.							
3	6425	5	N	FISHER CREEK	KG61QW	3.393	33N	04E	33	Temperature	Water
				Department of Ecology unpublished data from the Skagit TMDL Study shows a 7-day mean of daily maximum values of 18.1 for week ending 12 August 2001 at station 03F02 (Fisher Creek at Starbird).							

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
3	16409	5	Y	FRIDAY CREEK Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03C060 (Friday Creek below Hatchery near Burlington) shows a geometric mean of 40 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 8 samples collected during 1995. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03C060 (Friday Creek below Hatchery near Burlington) shows a geometric mean of 34 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 3 samples collected during 1994. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03C060 (Friday Creek below Hatchery near Burlington) shows a geometric mean of 68 does not exceed the criterion and that 22% of the samples exceeds the percentile criterion from 9 samples collected during 1993.	NI79KV	0	35N	04E	05	Fecal Coliform	TRS updated from 1998 List, was 36N-04E-32 -kk	Water
3	6426	5	Y	HANSEN CREEK Department of Ecology unpublished data from the Skagit TMDL Study shows a 7-day mean of daily maximum values of 18.8 for week ending 15 August 2001 at station 03H01 (Hansen Creek at Hoehn Rd).	PU87PF	1.507	35N	05E	20	Temperature		Water
3	7150	5	Y	INDIAN (BIG) SLOUGH Bulthuis, 1993. review shows multiple excursions beyond the criterion during 1987, 1988, and 1991. Cassidy and McKeen, 1986. multiple excursions beyond the criterion during 1985 and 1986.	390KRD	48122E4F7	48.455		122.475	Dissolved oxygen		Water
3	7149	5	Y	INDIAN (BIG) SLOUGH Bulthuis, 1993. exceeds geometric mean criterion in 1986.	390KRD	48122E4F7	48.455		122.475	Fecal Coliform		Water
3	39610	5	N	JOE LEARY SLOUGH Skagit Stream Team unpublished data show excursions beyond the criterion in 1999, 2000, 2001 and 2002.	BE29YH	1.349	35N	04E	20	Dissolved oxygen		Water
3	39611	5	N	JOE LEARY SLOUGH Skagit Stream Team unpublished data show excursions beyond the criterion in 1999, 2000, 2001 and 2002.	LA86QK	11.963	35N	04E	30	Dissolved oxygen		Water
3	39612	5	N	JOE LEARY SLOUGH Skagit Stream Team unpublished data show excursions beyond the criterion in 1999, 2000, 2001 and 2002.	LA86QK	0.174	35N	03E	18	Dissolved oxygen		Water
3	7153	5	Y	JOE LEARY SLOUGH Bulthuis, 1993. exceeds geometric mean criterion in 1986. Bulthius, 1997. samples from multiple locations showed high levels of fecal coliform on 12/5/96. Bulthius, 1996. samples from multiple locations showed high levels of fecal coliform on 10/29/96.	390KRD	48122F4C7	48.525		122.475	Fecal Coliform		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
3	39607	5	N	JOE LEARY SLOUGH	BE29YH	1.349	35N	04E	20	Fecal Coliform		Water
Skagit Stream Team unpublished data show the geometric mean criterion was exceeded in 1999, 2000, and 2002.												
3	39608	5	N	JOE LEARY SLOUGH	LA86QK	11.963	35N	04E	30	Fecal Coliform		Water
Skagit Stream Team unpublished data show the geometric mean criterion was exceeded in 1999, 2000, and 2002.												
3	39609	5	N	JOE LEARY SLOUGH	LA86QK	0.174	35N	03E	18	Fecal Coliform		Water
Skagit Stream Team unpublished data show the geometric mean criterion was exceeded in 2000.												
3	6343	5	Y	KETCHUM LAKE	804KBQ	32N	04E	07		Total Phosphorus		Water
State Phase I Clean Lakes Restoration Project -diagnostic/feasibility assessment showed lake is highly eutrophic. Majority of the phosphorus loading is coming from an adjacent farm via runoff from excessive land application of manure. In-lake recycling of phosphorus is also significant.												
Snohomish County unpublished data show summer mean epilimnetic total phosphorus exceeded the water quality standards nutrient criterion in 1996, 1997, 1998, 1999, 2000, 2001 and 2002 from samples collected between 1996-2002.												
Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 192 ug/L from samples collected in 1981 which exceeds the water quality standards nutrient criterion for the Puget Lowlands Ecoregion.												
3	39620	5	N	NONAME SLOUGH	BX87EZ	3.915	35N	03E	32	Dissolved oxygen		Water
Skagit Stream Team unpublished data show excursions beyond the criterion in 1999, 2000, and 2002.												
3	39621	5	Y	NONAME SLOUGH	BX87EZ	1.575	34N	03E	05	Dissolved oxygen		Water
Skagit Stream Team unpublished data show excursions beyond the criterion in 1999, 2000, and 2002;												
Giles and Bulthius, 1996. numerous excursions beyond the criterion during 1996.												
3	39623	5	N	NONAME SLOUGH	BX87EZ	0.981	34N	03E	06	Dissolved oxygen		Water
Skagit Stream Team unpublished data show excursions beyond the criterion in 1999, 2000, and 2001.												
3	7158	5	Y	NONAME SLOUGH	BX87EZ	1.575	34N	03E	05	Fecal Coliform		Water
Skagit Stream Team unpublished data show the geometric mean criterion was not exceeded in samples collected from 1999-2002;												
Giles and Bulthius, 1996. 4 samples collected showed some high levels in 1996;												
Bulthuis, 1993. exceeds geometric mean criterion in 1986.												
Skagit Stream Team unpublished data show the geometric mean criterion was exceeded in 1999, 2000, 2001 and 2002.												

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium
				Basis						Remarks	
3	39616	5	N	NONAME SLOUGH Skagit Stream Team unpublished data show the geometric mean criterion was exceeded in 1999, 2000, 2001 and 2002.	BX87EZ	3.915	35N	03E	32	Fecal Coliform	Water
3	39633	5	N	NOOKACHAMPS CREEK Skagit Stream Team unpublished data show excursions beyond the criterion in 1999, 2000, 2001 and 2002.	LZ60MT	20.131	33N	05E	19	Dissolved oxygen	Water
3	39634	5	N	NOOKACHAMPS CREEK Skagit Stream Team unpublished data show excursions beyond the criterion in 1999, 2000, and 2001.	LZ60MT	10.063	34N	04E	25	Dissolved oxygen	Water
3	39635	5	N	NOOKACHAMPS CREEK Skagit Stream Team unpublished data show excursions beyond the criterion in 1999, 2000, 2001 and 2002.	LZ60MT	7.976	34N	04E	23	Dissolved oxygen	Water
3	39636	5	N	NOOKACHAMPS CREEK Skagit Stream Team unpublished data show excursions beyond the criterion in 1999, 2000, 2001 and 2002. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03D050 (Nookachamp Ck nr Mouth) shows 6 excursions beyond the criterion out of 18 samples collected between 1993 - 2001 measured on these dates: 00/06/21, 00/08/23, 00/09/20, 95/05/17, 95/07/19, 95/09/20, Pickett (1997) station Skagit14 (Nookachamps Creek (NOOKCK)) shows 0 excursions beyond the criterion out of 2 samples collected between 09/94 - 10/96 .	LZ60MT	2.721	34N	04E	10	Dissolved oxygen	Water
3	39637	5	N	NOOKACHAMPS CREEK Skagit Stream Team unpublished data show excursions beyond the criterion in 1999, 2000, 2001 and 2002.	LZ60MT	0	34N	04E	04	Dissolved oxygen	Water
3	6427	5	Y	NOOKACHAMPS CREEK Department of Ecology unpublished data from the Skagit TMDL Study shows a 7-day mean of daily maximum values of 21.6 for week ending 9 July 2001 at station 03N02 (Nookachamps abv Barney La).	LZ60MT	6.701	34N	04E	14	Temperature	Water
3	6428	5	Y	NOOKACHAMPS CREEK Department of Ecology unpublished data from the Skagit TMDL Study shows a 7-day mean of daily maximum values of 23.7 for week ending 12 July 2001 at station 03N03 (Nookachamps blw Big Lake). Skagit Stream Team unpublished data show excursions beyond the criterion in 2000 and 2002.	LZ60MT	10.063	34N	04E	25	Temperature	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
3	6429	5	Y	NOOKACHAMPS CREEK Department of Ecology unpublished data from the Skagit TMDL Study shows a 7-day mean of daily maximum values of 24.3 for week ending 15 August 2001 at station 03N01 (Nookachamps nr mouth). Skagit Stream Team unpublished data show excursions beyond the criterion in 2002.	LZ60MT	0	34N	04E	04	Temperature	Water
3	39644	5	N	NOOKACHAMPS CREEK, E.F. Skagit Stream Team unpublished data show excursions beyond the criterion in 1999, 2000,and 2001.	DV97DN	0.895	34N	04E	11	Dissolved oxygen	Water
3	6423	5	N	NOOKACHAMPS CREEK, E.F. Department of Ecology unpublished data from the Skagit TMDL Study shows a 7-day mean of daily maximum values of 19.3 for week ending 15 August 2001 at station 03EF02 (E. F. Nookachamps at Beav).	DV97DN	5.618	34N	05E	19	Temperature	Water
3	6424	5	Y	NOOKACHAMPS CREEK, E.F. Department of Ecology unpublished data from the Skagit TMDL Study shows a 7-day mean of daily maximum values of 20.1 for week ending 15 August 2001 at station 03EF01 (E. F. Nookachamps at SR9). Skagit Stream Team unpublished data show no excursions beyond the criterion from measurements collected 1999-2002.	DV97DN	0.895	34N	04E	11	Temperature	Water
3	39661	5	N	OTTER POND CREEK Skagit Stream Team unpublished data show the geometric mean criterion was exceeded in 1999.	GK78TY	0	34N	04E	25	Fecal Coliform	Water
3	6432	5	N	OTTER POND CREEK Department of Ecology unpublished data from the Skagit TMDL Study shows a 7-day mean of daily maximum values of 18.8 for week ending 23 June 2001 at station 03U02 (Unkn Trib at Otter Pond R). Skagit Stream Team unpublished data show no excursions beyond the criterion from measurements collected 1999-2002. Skagit System Cooperative data (submitted by Bob LaRock on 10/30/97) show 5 excursions beyond the criterion on Otter Pond Creek (WDF# 03.0256) below Otter Pond Road during 1997.	GK78TY	0	34N	04E	25	Temperature	Water
3	13258	5	N	PADILLA BAY, FIDALGO BAY, AND GUEMES CHANNEL Johnson, 2000. show the National Toxic Rule criterion was exceeded in a composite of 50 Littleneck clam soft-parts on 1 June 1999.	390KRD	48122E5I7	48.485	122.575		BENZO(A)ANTHRACENE	Tissue
3	13294	5	N	PADILLA BAY, FIDALGO BAY, AND GUEMES CHANNEL Johnson, 2000. show the National Toxic Rule criterion was exceeded in a composite of 50 Littleneck clam soft-parts on 1 June 1999.	390KRD	48122E5I7	48.485	122.575		Chrysene	Tissue

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Remarks	Medium
				Basis							
3	13295	5	N	PADILLA BAY, FIDALGO BAY, AND GUEMES CHANNEL	390KRD	48122F5A6	48.505	122.565	Chrysene		Tissue
				Johnson, 2000. show the National Toxic Rule criterion was exceeded in a composite of 50 mussel soft-parts on 1 June 1999.							
3	6430	5	Y	RED CREEK	TL30EW	0	35N	05E	17	Temperature	Water
				Department of Ecology unpublished data from the Skagit TMDL Study shows a 7-day mean of daily maximum values of 26.7 for week ending 15 August 2001 at station 03U04 (Red Creek nr Hwy 20).							
3	40583	5	N	SAMISH BAY	390KRD	48122F4G5	48.565	122.455	Fecal Coliform		Water
				Department of Health Prohibited Commercial Shellfish Area at Samish Bay based partially on data from station 13 that exceed the criterion (from the Annual Growing Area Review ending December 1996).							
3	40584	5	N	SAMISH BAY	390KRD	48122F4G8	48.565	122.485	Fecal Coliform		Water
				Department of Health Prohibited Commercial Shellfish Area at Samish Bay based partially on data from station 18 that exceed the criterion (from the Annual Growing Area Review ending December 1996).							
3	40585	5	N	SAMISH BAY	390KRD	48122F4G7	48.565	122.475	Fecal Coliform		Water
				Department of Health Prohibited Commercial Shellfish Area at Samish Bay based partially on data from station 19 that exceed the criterion (from the Annual Growing Area Review ending December 1996).							
3	17366	5	N	SAMISH LAKE	O54FYG	37N	03E	26	Total PCBs		Tissue
				Seiders, 2002. show the National Toxics Rule criterion was exceeded in fillet samples of Cutthroat trout collected in 2001.							

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	Remarks
				Basis								
3	16412	5	Y	SAMISH RIVER	NN50EA	14.983	35N	04E	06	Fecal Coliform	Water	
Hallock (2004), Dept. of Ecology ambient station 03B050 shows 2 of 11 samples (18.2%) in year 2002 exceeded the percentile criterion.										TRS updated from 1998 List, was 35N-04E-06 -kk		
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03B050 (Samish R. near Burlington) shows a geometric mean of 69 does not exceed the criterion and that 20% of the samples exceeds the percentile criterion from 10 samples collected during 2001.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03B050 (Samish R. near Burlington) shows a geometric mean of 47 does not exceed the criterion and that 9% of the samples does not exceed the percentile criterion from 11 samples collected during 2000.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03B050 (Samish R. near Burlington) shows a geometric mean of 75 does not exceed the criterion and that 25% of the samples exceeds the percentile criterion from 12 samples collected during 1999.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03B050 (Samish R. near Burlington) shows a geometric mean of 79 does not exceed the criterion and that 25% of the samples exceeds the percentile criterion from 12 samples collected during 1998.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03B050 (Samish R. near Burlington) shows a geometric mean of 177 exceeds the criterion and that 50% of the samples exceeds the percentile criterion from 12 samples collected during 1997.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03B050 (Samish R. near Burlington) shows a geometric mean of 145 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 6 samples collected during 1996.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03B050 (Samish R. near Burlington) shows a geometric mean of 75 does not exceed the criterion and that 33% of the samples exceeds the percentile criterion from 12 samples collected during 1995.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03B050 (Samish R. near Burlington) shows a geometric mean of 117 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 3 samples collected during 1994.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03B050 (Samish R. near Burlington) shows a geometric mean of 167 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 9 samples collected during 1993.												
3	16413	5	N	SAMISH RIVER	NN50EA	5.487	35N	03E	15	Fecal Coliform	Water	
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03B045 (Samish R. near Mouth) shows a geometric mean of 89 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 2 samples collected during 1994.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03B045 (Samish R. near Mouth) shows a geometric mean of 56 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 3 samples collected during 1999.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03B045 (Samish R. near Mouth) shows a geometric mean of 50 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 9 samples collected during 2000.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03B045 (Samish R. near Mouth) shows a geometric mean of 110 exceeds the criterion and that 22% of the samples exceeds the percentile criterion from 9 samples collected during 1995.												
Skagit Stream Team unpublished data show the geometric mean criterion was not exceeded in samples collected from 1999-2001.												
3	16414	5	N	SAMISH RIVER	NN50EA	30.566	36N	04E	24	Fecal Coliform	Water	
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03B080 (Samish R. near Prairie) shows a geometric mean of 124 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 3 samples collected during 1994.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03B080 (Samish R. near Prairie) shows a geometric mean of 106 exceeds the criterion and that 22% of the samples exceeds the percentile criterion from 9 samples collected during 1995.												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
3	39646	5	N	SAMISH RIVER Skagit Stream Team unpublished data show the geometric mean criterion was exceeded in 2000 and 2001.	NN50EA	0.446	35N	03E	99	Fecal Coliform		Water
3	15910	5	N	SAMISH RIVER Hallock, 2002. shows 5 excursions beyond the criterion out of 12 samples collected between 1992 and 2001 derived by the difference between the upstream station 03B080 (Samish R. nr Prairie) and the downstream station 03B045 (Samish R. nr Mouth).	NN50EA	5.487	35N	03E	15	Turbidity		Water
3	15911	5	N	SAMISH RIVER Hallock, 2002. shows 5 excursions beyond the criterion out of 12 samples collected between 1992 and 2001 derived by the difference between the upstream station 03B080 (Samish R. nr Prairie) and the downstream station 03B050 (Samish R nr Burlington).	NN50EA	14.983	35N	04E	06	Turbidity		Water
3	7170	5	Y	SKAGIT BAY AND SIMILK BAY Skagit System Cooperative data (submitted by Bob La Rock on 9-20-93) show both criteria are exceeded out of 6 samples at station HALD during 1992.	390KRD	48122D4D4	48.335		122.445	Fecal Coliform		Water
3	7171	5	Y	SKAGIT BAY AND SIMILK BAY Skagit System Cooperative data (submitted by Bob La Rock on 9-20-93) show both criteria are exceeded out of 6 samples at station BRWD during 1992.	390KRD	48122D4D1	48.335		122.415	Fecal Coliform		Water
3	7172	5	Y	SKAGIT BAY AND SIMILK BAY Skagit System Cooperative data (submitted by Bob La Rock on 9-20-93) show both criteria are exceeded out of 6 samples at station DRYD during 1992.	390KRD	48122D3C9	48.325		122.395	Fecal Coliform		Water
3	7173	5	Y	SKAGIT BAY AND SIMILK BAY Skagit System Cooperative data (submitted by Bob La Rock on 9-20-93) show both criteria are exceeded out of 6 samples at station WILD during 1992.	390KRD	48122D3B8	48.315		122.385	Fecal Coliform		Water
3	14036	5	N	SKAGIT RIVER Hopkins et al, 1985, show excursions beyond the National Toxic Rule criterion in a multiple fish composite of edible tissue of Bridgelip sucker and Mountian whitefish samples collected in 1984.	SV53RP	12.46	34N	04E	08	Total PCBs		Tissue
3	12367	5	N	SWINOMISH CHANNEL Johnson, 2000. show the National Toxic Rule criterion was exceeded in a composite of 20 oyster soft-parts on 1 June 1999.	BN62VR	1.477	34N	02E	99	BENZO(A)ANTHRACENE		Tissue
3	12371	5	N	SWINOMISH CHANNEL Johnson, 2000. show the National Toxic Rule criterion was exceeded in a composite of 20 oyster soft-parts on 1 June 1999.	BN62VR	1.477	34N	02E	99	Chrysene		Tissue

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
3	39658	5	N	THOMAS CREEK Skagit Stream Team unpublished data show the geometric mean criterion was exceeded in 1999.	IO78KZ	0	35N	04E	18	Fecal Coliform		Water
3	6431	5	Y	TURNER CREEK Department of Ecology unpublished data from the Skagit TMDL Study shows a 7-day mean of daily maximum values of 18.4 for week ending 15 August 2001 at station 03T01 (Turner Creek at Beaver La).	EI77IQ	1.402	34N	05E	18	Temperature		Water
3	39666	5	N	UNNAMED CREEK Skagit Stream Team unpublished data show excursions beyond the criterion in 1999, 2000, 2001 and 2002.	SN87OD	0.091	35N	03E	06	Dissolved oxygen		Water
3	39662	5	N	UNNAMED CREEK Skagit Stream Team unpublished data show the geometric mean criterion was exceeded in 1999 and 2002.	GC08NY	0	34N	04E	15	Fecal Coliform		Water
3	6433	5	N	UNNAMED CREEK Department of Ecology unpublished data from the Skagit TMDL Study shows a 7-day mean of daily maximum values of 21 for week ending 23 June 2001 at station 03CL01 (Unkn Trib from Clear Lake).	IL21OS	0.26	34N	04E	11	Temperature		Water
3	39669	5	N	UNNAMED CREEK Skagit Stream Team unpublished data show excursions beyond the criterion in 2000, 2001 and 2002.	SN87OD	0.091	35N	03E	06	Temperature		Water
3	39672	5	N	UNNAMED SLOUGH Skagit Stream Team unpublished data show excursions beyond the criterion in 1999, 2000, 2001 and 2002.	BW07YZ	1.668	35N	03E	34	Dissolved oxygen		Water
3	39673	5	N	UNNAMED SLOUGH Skagit Stream Team unpublished data show excursions beyond the criterion in 1999, 2000, 2001 and 2002.	AU64DK	0.709	35N	03E	05	Dissolved oxygen		Water
3	39671	5	N	UNNAMED SLOUGH Skagit Stream Team unpublished data show the geometric mean criterion was exceeded in 1999, 2000 and 2002.	AU64DK	0.709	35N	03E	05	Fecal Coliform		Water
3	7177	5	Y	WILEY SLOUGH Skagit System Cooperative data (submitted by Bob La Rock on 9-20-93) show the percentile criteria is exceeded out of 6 samples at station WILU during 1992.	EE73RP	0.014	33N	03E	26	Fecal Coliform		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
4	42075	5	N	PRAIRIE CREEK Sauk-Suiattle Indian Tribe data (submitted by Brent Wells on 3/15/04), station (Prairie Creek 1), shows that 3 of 10 samples (50%) collected in 2002 exceeded the percentile criterion; station (Prairie Creek 2), shows the geometric mean of 51.01 exceeded the criterion while 2 of 5 samples (40%) collected in 2002 exceed the percentile criterion and the geometric mean of 74.14 exceeded the criterion while 4 of 8 samples (50%) collected in 2003 exceed the percentile criterion.	JG10IX	0	33N	10E	33	Fecal Coliform		Water
5	6444	5	N	CANYON CREEK Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 20.6 for week ending 15 August 2001 at station 05C01 (Canyon Creek nr mouth).	RR46TS	1.488	30N	07E	06	Temperature		Water
5	15568	5	N	CANYON CREEK Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 19.99 at the station 77 (Canyon Creek near mouth) in 2001.	RR46TS	0	30N	06E	12	Temperature		Water
5	15569	5	N	CANYON CREEK Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 19.72 at the station 43 (Canyon Creek @ Masonic Park) in 2001.	RR46TS	8.219	30N	07E	03	Temperature		Water
5	9777	5	N	COOK SLOUGH Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TCOOK (COOK SLOUGH AT HWY 530 BRIDGE) shows the geometric mean of 132 exceeds the criterion and that 60 % of the samples exceeds the percentile criterion from 5 samples collected during 2001. Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TCOOK (COOK SLOUGH AT HWY 530 BRIDGE) shows the geometric mean of 32 does not exceed the criterion and that 0 % of the samples does not exceed the percentile criterion from 2 samples collected during 2000.	DC37MN	0.136	31N	04E	01	Fecal Coliform		Water
5	6454	5	Y	DEER CREEK Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 21.5 for week ending 15 August 2001 at station 05D01 (Deer Creek at Bunker house).	PA13UD	0.049	32N	07E	08	Temperature		Water
5	6455	5	Y	DEER CREEK Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 22.6 for week ending 15 August 2001 at station 05D03 (Deer Creek abv Little Deer).	PA13UD	21.599	34N	07E	35	Temperature	TRS updated from 1998 List, was 34N-07E-36. -kk	Water
5	7188	5	N	DEER CREEK Sullivan, et al. 1990., multiple excursions beyond the criterion at RM 14 during 8/88.	PA13UD	25.16	33N	07E	01	Temperature	Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
5	21970	5	N	GLADE BEKKEN Snohomish County unpublished data from station TR30 (ON SILVANA TERRACE ROAD BY WAVERLY GARDENS NURSERY) shows a geometric mean of 207 cfu/100mL with 55% of samples exceeding the percentile criterion from 11 samples collected in 1998. Snohomish County unpublished data from station TR30 (ON SILVANA TERRACE ROAD BY WAVERLY GARDENS NURSERY) shows a geometric mean of 158 cfu/100mL with 50% of samples exceeding the percentile criterion from 8 samples collected in 2002. Snohomish County unpublished data from station TR30 (ON SILVANA TERRACE ROAD BY WAVERLY GARDENS NURSERY) shows a geometric mean of 127 cfu/100mL with 42% of samples exceeding the percentile criterion from 12 samples collected in 2001. Snohomish County unpublished data from station TR30 (ON SILVANA TERRACE ROAD BY WAVERLY GARDENS NURSERY) shows a geometric mean of 125 cfu/100mL with 27% of samples exceeding the percentile criterion from 11 samples collected in 1999. Snohomish County unpublished data from station TR30 (ON SILVANA TERRACE ROAD BY WAVERLY GARDENS NURSERY) shows a geometric mean of 81 cfu/100mL with 25% of samples exceeding the percentile criterion from 12 samples collected in 2000. Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TGLAD (GLADE BEKKEN) shows the geometric mean of 21 does not exceed the criterion and that 0 % of the samples does not exceed the percentile; Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TGLAD (GLADE BEKKEN) shows the geometric mean of 1952 exceeds the criterion and that 100 % of the samples exceeds the percentile criterion fr;	FJ67XF	0.762	31N	04E	03	Fecal Coliform	Water
5	7198	5	Y	HIGGINS CREEK Sullivan, et al. 1990, 22 excursions beyond the criterion during 8/88.	BH79GG	1.583	32N	07E	20	Temperature	Water Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
5	43042	5	N	IRVINE SLOUGH Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TIRVIN (IRVINE SLOUGH AT TIDE GATE) shows the geometric mean of 1329.86 exceeds the criterion and that 6 of 6 samples (100.0%) exceeded the percentile criterion in year 2001; and 3 of 3 samples (100.0%) exceeded the percentile criterion in year 2000.	HS19KT	0	32N	03E	24	Fecal Coliform	Water
5	6445	5	N	JIM CREEK Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 19.5 for week ending 15 August 2001 at station 05J01 (Jim Creek at mouth).	JU33JU	0	31N	06E	07	Temperature	Water
5	15570	5	N	JIM CREEK Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 19.47 at the station 59 (Jim Creek @ Jordan Rd.) in 2001. Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TJIMCK (JIM CREEK AT JORDAN ROAD) shows 0 excursions beyond the criterion out of 4 samples collected between 08/00 - 11/01 .	JU33JU	0.174	31N	06E	08	Temperature	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium	
5	15571	5	N	JIM CREEK Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 18.98 at the station 160 (Jim Creek @ Whites Rd) in 2001.	JU33JU	4.411	31N	06E	16	Temperature		Water
5	7238	5	Y	JORGENSON SLOUGH (CHURCH CREEK) Paulsen et al. 1991 , 4 excursions beyond the criterion at RM 4.0, measured between 9/89 and 5/91.	GH05SX	6.581	32N	04E	16	Dissolved oxygen	Referenced data on dissolved oxygen is not in the administrative record. The water segment is listed as Category 5 based on the 1998 assessment.	Water
5	9780	5	N	KACKMAN CREEK Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TKACK (AT KACKMAN CREEK ON 252 ST NE) shows the geometric mean of 252 exceeds the criterion and that 25 % of the samples exceeds the percentile criterion from 4 samples collected during 2001. Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TKACK (AT KACKMAN CREEK ON 252 ST NE) shows the geometric mean of 32 does not exceed the criterion and that 0 % of the samples does not exceed the percentile criterion from 1 samples collected during 2000.	XB43NX	1.467	32N	05E	28	Fecal Coliform		Water
5	9239	5	N	KACKMAN CREEK Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TKACK (AT KACKMAN CREEK ON 252 ST NE) shows 3 excursions beyond the criterion out of 6 samples collected between 08/00 - 11/01 .	XB43NX	1.467	32N	05E	28	pH	Low pH	Water
5	6456	5	Y	LITTLE DEER CREEK Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 20.9 for week ending 15 August 2001 at station 05LD01 (Little Deer at mouth). Sullivan, et al. 1990, 15 excursions beyond the criterion during 8/88.	EX67XM	0	34N	07E	35	Temperature		Water
5	9781	5	N	MARCH CREEK Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TMARSH (MOUTH OF MARCH CREEK) shows the geometric mean of 799 exceeds the criterion and that 75 % of the samples exceeds the percentile criterion from 8 samples collected during 2001. Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TMARSH (MOUTH OF MARCH CREEK) shows the geometric mean of 48 does not exceed the criterion and that 0 % of the samples does not exceed the percentile criterion from 1 samples collected during 2000.	WI88QF	0	31N	05E	09	Fecal Coliform		Water
5	9784	5	N	MILLER CREEK Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TMILLR (MOUTH OF MILLER CREEK) shows the geometric mean of 1282 exceeds the criterion and that 100 % of the samples exceeds the percentile criterion from 5 samples collected during 2001. Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TMILLR (MOUTH OF MILLER CREEK) shows the geometric mean of 123 exceeds the criterion and that 50 % of the samples exceeds the percentile criterion from 2 samples collected during 2000.	KX60NO	0	32N	04E	32	Fecal Coliform		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
5	15559	5	N	OLD STILLAGUAMISH RIVER Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 24.8 at the station 145 (Old Stillaguamish Channel @ Florence) in 2001.	QE93BW	7.009	32N	04E	29	Temperature	Water
5	15560	5	N	OLD STILLAGUAMISH RIVER Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 23.24 at the station 90 (Old Stillaguamish Channel @ Peterson Bridge) in 2001. Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 22.41 at the station 135 (Old Stillaguamish Channel above Hatt Slough) in 2001.	QE93BW	7.111	32N	04E	32	Temperature	Water
5	8230	5	N	OLD STILLY CHANNEL, WEST PASS Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TWEST (WEST PASS AT HWY 532 BR) shows the geometric mean of 189.32 exceeds the criterion and that 2 of 6 samples (33.3%) exceeded the percentile criterion in year 2001.	XF13JD	0	32N	03E	99	Fecal Coliform	Water Basis updated on 3/24/05. Information was inaccurate and truncated. No change to category.--cb
5	9789	5	N	PILCHUCK CREEK Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TPILCH (PILCHUCK CREEK @ JACKSON GULCH RD) shows the geometric mean of 76 does not exceed the criterion and that 12 % of the samples exceeds the percentile criterion from 8 samples collected during 2000. Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TPILCH (PILCHUCK CREEK @ JACKSON GULCH RD) shows the geometric mean of 144 exceeds the criterion and that 25 % of the samples exceeds the percentile criterion from 4 samples collected during 2001. Snohomish County unpublished data from station PILC (NEAR MOUTH ON JACKSON GULCH ROAD) shows a geometric mean of 26 cfu/100mL with 29% of samples exceeding the percentile criterion from 7 samples collected in 2002. Snohomish County unpublished data from station PILC (NEAR MOUTH ON JACKSON GULCH ROAD) shows a geometric mean of 67 cfu/100mL with 27% of samples exceeding the percentile criterion from 11 samples collected in 2000. Snohomish County unpublished data from station PILC (NEAR MOUTH ON JACKSON GULCH ROAD) shows a geometric mean of 50 cfu/100mL with 18% of samples exceeding the percentile criterion from 11 samples collected in 1998. Snohomish County unpublished data from station PILC (NEAR MOUTH ON JACKSON GULCH ROAD) shows a geometric mean of 23 cfu/100mL with 8% of samples exceeding the percentile criterion from 12 samples collected in 1999. Snohomish County unpublished data from station PILC (NEAR MOUTH ON JACKSON GULCH ROAD) shows a geometric mean of 28 cfu/100mL with 0% of samples exceeding the percentile criterion from 12 samples collected in 2001.	VJ74AO	0.155	32N	05E	31	Fecal Coliform	Water
5	6447	5	N	PILCHUCK CREEK Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 20.8 for week ending 15 August 2001 at station 05P04 (Pilchuck Creek blw Bear C).	VJ74AO	25.759	33N	06E	17	Temperature	Water
5	6448	5	N	PILCHUCK CREEK Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 21.5 for week ending 15 August 2001 at station 05P02 (Pilchuck Creek at SR9).	VJ74AO	7.78	32N	05E	16	Temperature	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
5	6449	5	Y	PILCHUCK CREEK Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 21.7 for week ending 15 August 2001 at station 05P01 (Pilchuck Creek at I-5). Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TPILCH (PILCHUCK CREEK @ JACKSON GULCH RD) shows 0 excursions beyond the criterion out of 13 samples collected between 08/00 - 11/01.	VJ74AO	0.155	32N	05E	31	Temperature		Water
5	6450	5	N	PILCHUCK CREEK Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 22.4 for week ending 15 August 2001 at station 05P03 (Pilchuck Creek blw Crane).	VJ74AO	17.203	33N	05E	27	Temperature		Water
5	8638	5	Y	PORTAGE CREEK Plotnikoff and Michaud, 1991. Turbidity standards were exceeded at RM 3.7 during the wet season in 1989.	OT80TY	4.938	31N	05E	17	Turbidity		Water
5	8639	5	Y	PORTAGE CREEK Plotnikoff and Michaud, 1991. Turbidity standards were exceeded at RM 7.3 during both the dry and wet season in 1989.	OT80TY	11.548	31N	05E	11	Turbidity		Water
5	8231	5	N	SOUTH PASS SLOUGH Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TSOUTH (SOUTH PASS) shows the geometric mean of 50 exceeds the criterion and that 100 % of the samples exceeds the percentile criterion from 21 samples collected during 2001. Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TSOUTH (SOUTH PASS) shows the geometric mean of 32 exceeds the criterion and that 100 % of the samples exceeds the percentile criterion from 2 samples collected during 2000.	UJ01AO	0	32N	03E	99	Fecal Coliform		Water
5	6452	5	N	STILLAGUAMISH RIVER Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 21.4 for week ending 15 August 2001 at station 05M02 (Mainstem Stilly at Larson).	KP14NJ	0	31N	04E	02	Temperature		Water
5	6453	5	N	STILLAGUAMISH RIVER Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 21.8 for week ending 15 August 2001 at station 05M03 (Mainstem Stilly at Norman).	QE93BW	17.221	31N	04E	02	Temperature		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Medium	Remarks	
5	6565	5	Y	STILLAGUAMISH RIVER Dept. of Ecology unpublished data from core ambient monitoring station 05A070 (Stillaguamish R. near Silvana) shows a 7-day mean of daily maximum values of 21.6 for mid-week 12 August 2001. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 05A070 (STILLAGUAMISH RIVER NEAR SILVANA) shows 4 excursions beyond the criterion out of 61 samples collected between 1993 - 2001 Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TPILUP (UPSTREAM OF PILCHUCK CREEK MOUTH) shows 0 excursions beyond the criterion out of 1 samples collected between 08/00 - 11/01. Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TMS11 (MAIN STILLY CHANNEL AT I-5 BRIDGE) shows 1 excursions beyond the criterion measured on these dates: 01/07/12,	QE93BW	23.077	31N	05E	06	Temperature	Water	
5	7244	5	Y	STILLAGUAMISH RIVER Snohomish County unpublished data from station MSAR (AT HIGHWAY 9 BRIDGE NEAR ARLINGTON) show excursions beyond the criterion from measurements collected in 1998. reassessment. Thornburgh, 1996, 3 excursions beyond criterion out of 38 samples (8%) at station MSAR between 1992 and 1997. Unpublished data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TCONFL (CONFLUENCE OF N AND S STILLY FORKS) shows 1 excursions beyond the criterion measured on this date: 01/07/11. reference. Unpublished data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TMIXZO (MIXING ZONE OF N AND S STILLY FORKS) shows 1 excursions beyond the criterion measured on this date: 01/07/11. study The daily maximum excursion in 2001 is for one year only and does not meet the WQ Program Policy 1-11 (updated 9/02) for showing persistent temperature impairment. Listing will be placed in waters of concern category until further and monitoring indicates the status of the water.	QE93BW	35.996	31N	05E	02	Temperature	Water	Changed from Category 2 to Category 5 on 01/21/05 due to consolidation with Listing ID 40802 (cat 2) and -kk Information submitted in 1996 is insufficient to support a Category 5 listing. No raw data appear in the 1996
5	6446	5	N	STILLAGUAMISH RIVER, N.F. Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 22.1 for week ending 15 August 2001 at station 05NF02 (N.F. Stilly abv Cicero br). Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 21.69 at the station 119 (N.F. Stillaguamish (Twin Rivers Park) (Thermograph site)) in 2001. Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TNFTWI (N FORK STILLY @ TWIN RIVERS PARK) shows 1 excursions beyond the criterion measured on these dates: 01/07/11,	WO38NV	0	31N	05E	02	Temperature	Water	
5	6457	5	N	STILLAGUAMISH RIVER, N.F. Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 18 for week ending 15 August 2001 at station 05NF06 (N.F. Stilly nr FR28).	WO38NV	54.765	32N	09E	10	Temperature	Water	
5	6458	5	N	STILLAGUAMISH RIVER, N.F. Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 19.6 for week ending 15 August 2001 at station 05NF07 (N.F. Stilly abv Crevice C).	WO38NV	60.643	33N	09E	22	Temperature	Water	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium	
5	6567	5	N	STILLAGUAMISH RIVER, N.F. Dept. of Ecology unpublished data from core ambient monitoring station 05B070 (Stillaguamish R. N.F. at Cicero) shows a 7-day mean of daily maximum values of 20.7 for mid-week 12 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 05B070 (N) shows 0 excursions beyond the criterion out of 50 samples collected between 1993 - 2001 Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TNFCIC (NORTH FORK STILLY @ CICERO BRIDGE) shows 0 excursions beyond the criterion out of 9 samples collected between 08/00 - 11/01 .	WO38NV	15.141	32N	06E	15	Temperature		Water
5	6568	5	N	STILLAGUAMISH RIVER, N.F. Dept. of Ecology unpublished data from core ambient monitoring station 05B110 (Stillaguamish R. N.F. near Darrington) shows a 7-day mean of daily maximum values of 18.2 for mid-week 12 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 05B110 (N. FORK STILLAGUAMISH NEAR DARRINGTON) shows 0 excursions beyond the criterion out of 49 samples collected between 1993 - 2001	WO38NV	47.792	32N	09E	07	Temperature		Water
5	15567	5	N	STILLAGUAMISH RIVER, N.F. Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 20.04 at the station 14 (NF Stillaguamish @ Whitman Bridge) in 2001. Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TNFWHI (N FORK STILLY @ WHITMAN BRIDGE) shows 0 excursions beyond the criterion out of 10 samples collected between 08/00 - 11/01 .	WO38NV	26.448	32N	07E	10	Temperature		Water
5	15572	5	N	STILLAGUAMISH RIVER, N.F. Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 18.62 at the station (NF Stillaguamish at C-Post bridge) in 2001.	WO38NV	33.737	32N	08E	06	Temperature		Water
5	15912	5	N	STILLAGUAMISH RIVER, N.F. Hallock, 2002. shows 33 excursions beyond the criterion out of 56 samples collected between 1992 and 2001 derived by the difference between the upstream station 05B110 (NF Stillaguamish nr Darring.) and the downstream station 05B070 (NF Stillaguamish @ Cicero).	WO38NV	15.141	32N	06E	15	Turbidity		Water
5	6451	5	N	STILLAGUAMISH RIVER, S.F. Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 22.1 for week ending 15 August 2001 at station 05SF02 (S.F. Stilly at River Mead).	SN06ZT	7.659	31N	06E	18	Temperature		Water
5	6459	5	N	STILLAGUAMISH RIVER, S.F. Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 21.3 for week ending 15 August 2001 at station 05SF05 (S.F. Stilly at Verlot). Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 20.93 at the station 166 (S.F. Stillaguamish at Bridge above Benson Creek) in 2001.	SN06ZT	45.236	30N	08E	16	Temperature		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
5	6460	5	N	STILLAGUAMISH RIVER, S.F. Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day mean of daily maximum values of 23.4 for week ending 26 July 2001 at station 05SF04 (S.F. Stilly at Robe).	SN06ZT	42.604	30N	08E	08	Temperature		Water
5	6566	5	Y	STILLAGUAMISH RIVER, S.F. Dept. of Ecology unpublished data from core ambient monitoring station 05A090 (Stillaguamish R. S.F. at Arlington) shows a 7-day mean of daily maximum values of 22.6 for mid-week 12 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 05A090 (N) shows 2 excursions beyond the criterion out of 50 samples collected between 1993 - 2001 Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TSFTWI (S FORK STILLY @ TWIN RIVERS PARK) shows 1 excursions beyond the criterion measured on these dates: 01/07/11, Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 22.54 at the station 115 (S.F. Stillaguamish (Twin Rivers Park) (Thermograph site)) in 2001.	SN06ZT	0	31N	05E	02	Temperature		Water
5	10587	5	Y	STILLAGUAMISH RIVER, S.F. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 05A110 (S. FORK STILLY NEAR GRANITE FALLS) shows 3 excursions beyond the criterion out of 49 samples collected between 1993 - 2001 measured on these dates: 95/07/18, 96/07/23, 97/08/18,	SN06ZT	26.213	30N	07E	07	Temperature		Water
5	40865	5	Y	SUNDAY LAKE Rector, 1996, describes impairment of aesthetic uses (odor and excessive aquatic plants) and fisheries. The lake productivity is limited by nitrogen in the spring and phosphorus in the summer. The reference identifies nutrient sources from septic systems, lakeshore lawn fertilizing, logging and agricultural practices in the watershed.	350KXK	32N	04E	26	Total Nitrogen		Water	
5	8637	5	Y	SUNDAY LAKE Rector, 1996, describes impairment of aesthetic uses (odor and excessive aquatic plants) and fisheries. The lake productivity is limited by nitrogen in the spring and phosphorus in the summer. Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 17 ug/L derived from the reported Carlson's Trophic State Index value which does not exceed the water quality standards nutrient criterion for the Puget Lowlands Ecoregion.	350KXK	32N	04E	26	Total Phosphorus		Water While the lake productivity is limited by both nitrogen and phosphorus, only phosphorus is listed as the favored nutrient to control algal biomass in freshwater. Since atmospheric nitrogen can be fixed by eutrophic algal species, the strategy of managing total phosphorus is the preferred management option supported in the literature. Smohomish County's 2003 State of the Lakes Report identifies the lake as "impaired" and in need of restoration because of the nuisance algae and excessive aquatic plants. Summer epilimnetic total phosphorus concentrations are often exceeding 40 ug/l, hypolimnion values often exceed 100ug/l. The lake suffers from regular, nuisance algal blooms in response to elevated nutrient levels.	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
5	8227	5	N	UNNAMED CREEK	IE90YH	0.004	31N	04E	07	Fecal Coliform		Water
Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TWARUP (UPSTREAM OF EFFLUENT AT WARM BEACH) shows the geometric mean of 54 does not exceed the criterion and that 27 % of the samples exceeds the percentile criterion from 11 samples collected during 2001.												
Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TWARUS (ABOVE STABLES AT WARM BEACH) shows the geometric mean of 49 does not exceed the criterion and that 0 % of the samples does not exceed the percentile criterion from 1 samples collected during 2001.												
5	43046	5	N	UNNAMED CREEK	IE90YH	0.004	31N	04E	07	Fecal Coliform		Water
Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TWARSL (WARM BEACH POND TO SLOUGH) shows the geometric mean of 220.78 exceeds the criterion and that 6 of 10 samples (60.0%) exceeded the percentile criterion in year 2001.											aka WARM BEACH	
6	43162	5	N	LONE LAKE	096RNO	29N	03E	07		Dioxin		Tissue
USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Rule criterion in Rainbow Trout composite samples collected on 10/15/2001 at location (N.W. Shore).												
6	10143	5	Y	PENN COVE	390KRD	48122C6D7	48.235	122.675		Dissolved oxygen		Water
Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station PNN001 (Penn Cove Park (Whidbey Island)) shows 24 excursions beyond the criterions out of 28 samples collected between 1993-2000											This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo, 4/2005)	
6	10144	5	N	PENN COVE	390KRD	48122C6D7	48.235	122.675		pH		Water
Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station PNN001 (Penn Cove Park (Whidbey Island)) shows 3 excursions beyond the criterions out of 18 samples collected between 1993-2000												
7	41971	5	N	ALLEN CREEK	XO13OJ	0	16N	02W	06	Ammonia-N		Water
Erickson, D. and Matthews, W., (2002), station BECM2.6T shows a total of 4 samples in years 1998, 1999, and 2000 exceeded the chronic criterion and a total of 1 sample in year 1998 exceeded the acute criterion.												
7	7260	5	Y	ALLEN CREEK	QC54KA	1.975	30N	05E	11	Dissolved oxygen		Water
Thornburg, 1996, 52% of samples collected between 1992 - 1995 show excursions beyond criterion at station ACLU.												
Johnson et al. 2001 show excursions beyond the criterion at station ACLU in 2000.												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
7	7261	5	Y	ALLEN CREEK	YT94RF	1.692	30N	05E	28	Dissolved oxygen	Water
Snohomish County unpublished data from station ACLD (AT 4TH ST. IN MARYSVILLE) show excursions beyond the criterion from measurements collected 1998-2002.											
Johnson et al. 2001 show excursions beyond the criterion at station ACLD in 2000 and 2001.											
Cusimano (1997) station Snodry25 (Allen Creek (ALL20)) shows 3 excursions beyond the criterion measured on these dates: 93/08/16, 96/08/27, 96/08/28.											
Thornburg, 1996, 97% of samples collected between 1992 - 1995 show excursions beyond criterion at station ACLD.											
7	40742	5	N	ALLEN CREEK	QC54KA	1.975	30N	05E	11	Dissolved oxygen	Water
Snohomish County unpublished data from station ACLU (AT 67TH AVE NE AND 112TH ST NE.) show excursions beyond the criterion from measurements collected 1998-2002.											
7	35163	5	N	BEAR CREEK	PU11QS	3.676	28N	08E	23	Temperature	Water
Port Blakely Tree Farms unpublished data from station BC4 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 19.95 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station BC4 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 20.77 degrees C from continuous measurements collected in 2001. Port Blakely Tree Farms unpublished data from station BC4 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 21.06 degrees C from continuous measurements collected in 2000. Port Blakely Tree Farms unpublished data from station BC4 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 18.25 degrees C from continuous measurements collected in 1999.											
Port Blakely Tree Farms unpublished data from station BC4 (submitted by Blake Murden on 10 Decemeber 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.											
Port Blakely Tree Farms unpublished data from station BC5 (submitted by Blake Murden on 10 Decemeber 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.											
Port Blakely Tree Farms unpublished data from station BC5 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 23.3 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station BC5 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 22.93 degrees C from continuous measurements collected in 2000. Port Blakely Tree Farms unpublished data from station BC5 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 20.28 degrees C from continuous measurements collected in 1999.											
7	35165	5	N	BEAR CREEK	PU11QS	4.749	28N	08E	22	Temperature	Water
Port Blakely Tree Farms unpublished data from station BC6* (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 25.33 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station BC6* (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 24.9 degrees C from continuous measurements collected in 2001.											
Port Blakely Tree Farms unpublished data from station BC6 (submitted by Blake Murden on 10 Decemeber 2002) shows 1 excursion beyond the criterion from measurements collected in 2001.											

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
7	35166	5	N	BEAVER CREEK Port Blakely Tree Farms unpublished data from station BV1* (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 18.81 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station BV1* (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 17.44 degrees C from continuous measurements collected in 2001. Port Blakely Tree Farms unpublished data from station BV1 (submitted by Blake Murden on 10 Decemeber 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.	QQ44SO	0	28N	08E	24	Temperature	Water
7	6312	5	Y	BLACKMANS LAKE Completed Phase I State Clean Lakes Restoration Project in 1994 : KCM, 1994. , study documented high fecal coliform numbers.	010QMB		28N	06E	07	Fecal Coliform	Water Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment. Although these data are more than 10 years old, there are no recent data to justify removing the listing. Excess waterfowl continue to be a problem in the lake and may be one source of high bacterial concentration.
7	6313	5	Y	BLACKMANS LAKE Completed Phase I State Clean Lakes Restoration Project in 1994. KCM, 1994, study documented dense algal blooms, low dissolved oxygen in the hypolimnion, impaired fisheries and wildlife habitat, and high fecal coliform numbers. Storm water runoff contributes 55% of the phosphorus loading. Summertime, in-lake release of phosphorus from bottom sediments is a significant source. Watershed controls and in-lake alum treatments are recommended for a Phase II restoration project. Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 8 ug/L from samples collected in 1981 which does not exceed the water quality standards nutrient criterion for the Puget Lowlands Ecoregion. Snohomish County unpublished data show summer mean epilimnetic total phosphorus did not exceed the water quality standards nutrient criterion from samples collected between 1996-2002.	010QMB		28N	06E	07	Total Phosphorus	Water Snohomish County's 2003 State of the Lakes Report identifies the lake as "at risk" of impairment. Summer epilimnetic total phosphorus concentrations do not consistently exceed 20ug/l, however, TP levels are elevated in the hypolimnion. The lake suffers from nuisance algal blooms in response to elevated nutrient levels.
7	43225	5	N	CALLIGAN LAKE USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Rule criterion in Rainbow Trout composite samples collected on 07/17/2002 at location (Specific Location For Individual Fish Not Recorded).	838LCW		25N	09E	33	ALPHA-BHC	Tissue
7	43233	5	N	CALLIGAN LAKE USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Rule criterion in Rainbow Trout composite samples collected on 07/17/2002 at location (Specific Location For Individual Fish Not Recorded).	838LCW		25N	09E	33	Dioxin	Tissue
7	43251	5	N	CALLIGAN LAKE USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Rule criterion in Rainbow Trout composite samples collected on 07/17/2002 at location (Specific Location For Individual Fish Not Recorded).	838LCW		25N	09E	33	Total PCBs	Tissue

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
7	7395	5	N	CATHERINE CREEK	OW89ST	0	29N	06E	16	Temperature	Water
Snohomish County unpublished data from station CATH (AT MOUTH) show excursions beyond the criterion from measurements collected 1999-2001. Cusimano (1997) station CCDN (CATHERINE CREEK (CCDN)) shows 0 excursions beyond the criterion out of 5 samples collected between 02/96 - 04/96.											Changed from Category 1 to Category 5 on 01/21/05 due to consolidation with Listing ID 40739 (cat 5). -kk
7	43094	5	N	DOROTHY LAKE	730XIF		24N	11E	11	Dioxin	Tissue
USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Rule criterion in Brook Trout composite samples collected on 09/20/2000 at location (East Shore).											
7	40625	5	Y	EBEY SLOUGH	PR16VH	0	30N	05E	32	pH	Water
Cusimano (1997) station Snodry27 (Ebey Slough (EBE27)) shows 0 excursions beyond the criterion out of 4 samples collected between 02/96 - 04/96. Two excursions beyond the criterion at Ecology ambient monitoring station PSS020 on 5/11/87 and 10/12/87.											
7	7272	5	Y	FRENCH CREEK	XZ24XU	6.452	28N	06E	27	Dissolved oxygen	Water
Thornburgh, et al. 1991. , 14 excursions beyond the criterion at RM 4.75, between 8/87 and 11/90.											
7	7276	5	Y	FRENCH CREEK	XZ24XU	1.974	28N	06E	29	Dissolved oxygen	Water
Thornburgh, et al. 1991. , 67 excursions beyond the criterion at RM 1.5 between 8/87 and 11/90. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 07R050 (French Cr nr Mouth) shows 5 excursions beyond the criterion out of 6 samples collected between 1993 - 2001 measured on these dates: 95/10/16, 95/11/19, 95/12/17, 96/07/22, 96/09/16,											
7	40743	5	N	FRENCH CREEK	XZ24XU	9.653	28N	06E	23	Dissolved oxygen	Water
Snohomish County unpublished data from station FCLD (AT PRIVATE BRIDGE ON DARLINGTON FARM OFF OLD SNOHOMISH MONROE HWY) show excursions beyond the criterion from measurements collected 1998-2002. Snohomish County unpublished data from station FCLU (AT 167TH AVE, SOUTH OF WESTWICK ROAD) show no excursions beyond the criterion from measurements collected 1998-2002.											
7	7273	5	N	FRENCH CREEK	XZ24XU	1.974	28N	06E	29	pH	Water
Thornburgh, et al. 1991, 32 excursions beyond the criterion out of 58 samples at RM 1.5 between 8/87 and 11/90. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 07R050 (French Cr nr Mouth) shows 0 excursions beyond the criterion out of 6 samples collected between 1993 - 2001.											

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	Remarks
				Basis								
7	40748	5	N	FRENCH CREEK	XZ24XU	9.653	28N	06E	23	pH	Water	
				Snohomish County unpublished data from station FCLD (AT PRIVATE BRIDGE ON DARLINGTON FARM OFF OLD SNOHOMISH MONROE HWY) show 13 excursions beyond the criterion from 54 measurements collected 1998-2002. Snohomish County unpublished data from station FCLU (AT 167TH AVE, SOUTH OF WESTWICK ROAD) show 6 excursions beyond the criterion from 54 measurements collected 1998-2002.								
7	9273	5	N	FRENCH CREEK	XZ24XU	0	28N	06E	30	Temperature	Water	
				Snohomish County data (submitted by Kathy Thornburgh on 10/27/97) show that the criterion was exceeded 43% of the days between 5/95 and 9/95 at the pumping station just upstream of the mouth. Cusimano (1997) station Snodry12 (French Creek (FRN12)) shows 2 excursions beyond the criterion measured on these dates: 96/08/27, 96/08/28,								
7	10640	5	N	FRENCH CREEK	XZ24XU	1.974	28N	06E	29	Temperature	Water	
				Unpublished data collected by Snohomish County (submitted by Kathy Thornburgh on 10/27/97) show that the criterion was exceeded 38% of the days between 5/95 and 9/95 about 2 river miles downstream of the Highway 2 bridge. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 07R050 (French Cr nr Mouth) shows 0 excursions beyond the criterion out of 6 samples collected between 1993 - 2001								
7	6350	5	N	LOMA LAKE	732XDD	31N	04E	35		Total Phosphorus	Water	
				Completed Phase I State Clean Lakes Restoration Project in 1986 - Problems Encountered: Blue-green algae, low dissolved oxygen, sediment phosphorus recycling, fecal coliform bacteria. Entranco Engineers, 1986. Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 39 ug/L from samples collected in 1981 which exceeds the water quality standards nutrient criterion for the Puget Lowlands Ecoregion.								
				Snohomish County's State of the Lakes Report identifies the lake as "in need of restoration". Summer epilimnetic total phosphorus concentrations exceed 20 ug/l although to high nutrient levels may be the natural condition for this lake. The lake suffers from regular nuisance algal blooms in response to elevated nutrient levels.								
7	35169	5	N	OLNEY CREEK	HW33LG	0	28N	09E	30	Temperature	Water	
				Port Blakely Tree Farms unpublished data from station OL22* (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 19.24 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station OL22* (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 18.74 degrees C from continuous measurements collected in 2001. Port Blakely Tree Farms unpublished data from station OL22 (submitted by Blake Murden on 10 Decemeber 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.								

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
7	35296	5	N	OLNEY CREEK	NH13PB	7.209	28N	08E	14	Temperature		Water
Port Blakely Tree Farms unpublished data from station OL3 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 16.58 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station OL3 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 17.32 degrees C from continuous measurements collected in 2001. Port Blakely Tree Farms unpublished data from station OL3 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 18.09 degrees C from continuous measurements collected in 2000. Port Blakely Tree Farms unpublished data from station OL3 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 16.67 degrees C from continuous measurements collected in 1999.												
Port Blakely Tree Farms unpublished data from station OL3 (submitted by Blake Murden on 10 Decemeber 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.												
7	35297	5	N	PEKOLA CREEK	VI93XP	0	28N	09E	19	Temperature		Water
Port Blakely Tree Farms unpublished data from station PE1 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 17.75 degrees C from continuous measurements collected in 2002.												
Port Blakely Tree Farms unpublished data from station PE1 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 17.7 degrees C from continuous measurements collected in 2001.												
Port Blakely Tree Farms unpublished data from station PE1 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 18.42 degrees C from continuous measurements collected in 2000.												
Port Blakely Tree Farms unpublished data from station PE1 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 17.38 degrees C from continuous measurements collected in 1999.												
Port Blakely Tree Farms unpublished data from station PE3 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 13.64 degrees C from continuous measurements collected in 2002.												
Port Blakely Tree Farms unpublished data from station PE3 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 14.73 degrees C from continuous measurements collected in 2001.												
Port Blakely Tree Farms unpublished data from station PE3 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 14.75 degrees C from continuous measurements collected in 2000.												
Port Blakely Tree Farms unpublished data from station PE3 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 14.41 degrees C from continuous measurements collected in 1999.												
Port Blakely Tree Farms unpublished data from station PE1 (submitted by Blake Murden on 10 Decemeber 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.												
Port Blakely Tree Farms unpublished data from station PE3 (submitted by Blake Murden on 10 Decemeber 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.												
7	7294	5	N	PILCHUCK RIVER	NF79WA	12.096	29N	06E	21	pH		Water
Thornburgh, et al. 1991, 10 excursions beyond the criterion out of 58 samples at RM 8.8, between 8/87 and 11/90.												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks
7	7295	5	Y	PILCHUCK RIVER Sullivan, et al. 1990 , 21 excursions beyond the criterion measured at RM 9.5 during 1988.	NF79WA	14.184	29N	06E	16	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
7	6569	5	N	SKYKOMISH RIVER Dept. of Ecology unpublished data from core ambient monitoring station 07C070 (Skykomish R. at Monroe) shows a 7-day mean of daily maximum values of 20 for mid-week 12 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 07C070 (SKYKOMISH RIVER AT MONROE) shows 0 excursions beyond the criterion out of 46 samples collected between 1993 - 2001 Cusimano (1997) station Snodry5 (Skykomish River (SKY05)) shows 0 excursions beyond the criterion out of 2 samples collected between 02/96 - 04/96.	AO37WJ	7.898	27N	07E	06	Temperature	Water	
7	3756	5	Y	SNOHOMISH RIVER Thornburgh, et al. 1991. , 26 of 70 single samples exceeding the criterion (wet season geometric mean excursion for 1989) at RM16.5 between 8/87 and 11/90.	JX50OE	20.065	28N	06E	32	Fecal Coliform	Water	Returned to Category 5 from 4A on 02/01/05 because the Snohomish River Tributaries Fecal TMDL does not address mainstem listings. -kk
7	7406	5	Y	SNOHOMISH RIVER Thornburgh, et al. 1991, 39 of 80 single samples exceeding the criterion (wet season geometric mean excursion for 1989) at RM13.0 between 8/87 and 11/90. Cusimano (1997) station Snodry14 (Snohomish River (SNO14)) shows the geometric mean of 64 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 2 samples collected during 1993.	JX50OE	14.013	28N	06E	18	Fecal Coliform	Water	Returned to Category 5 from 4A on 02/01/05 because the Snohomish River Tributaries Fecal TMDL does not address mainstem listings. -kk

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
7	16696	5	N	SNOHOMISH RIVER	JX50OE	12.243	28N	05E	13	Fecal Coliform		Water
Hallock (2004), Dept. of Ecology ambient station 07A090 meets tested standards for fecal coliform.											Returned to Category 5 from 4A on 02/01/05 because the Snohomish River Tributaries Fecal TMDL does not address mainstem listings. -kk	
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 07A090 (Snohomish R. at Snohomish) shows a geometric mean of 22 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 10 samples collected during 2001.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 07A090 (Snohomish R. at Snohomish) shows a geometric mean of 17 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 11 samples collected during 2000.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 07A090 (Snohomish R. at Snohomish) shows a geometric mean of 18 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 1999.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 07A090 (Snohomish R. at Snohomish) shows a geometric mean of 34 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 1998.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 07A090 (Snohomish R. at Snohomish) shows a geometric mean of 48 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 1997.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 07A090 (Snohomish R. at Snohomish) shows a geometric mean of 73 does not exceed the criterion and that 20% of the samples exceeds the percentile criterion from 5 samples collected during 1996.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 07A090 (Snohomish R. at Snohomish) shows a geometric mean of 62 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 11 samples collected during 1995.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 07A090 (Snohomish R. at Snohomish) shows a geometric mean of 45 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 1994.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 07A090 (Snohomish R. at Snohomish) shows a geometric mean of 66 does not exceed the criterion and that 25% of the samples exceeds the percentile criterion from 12 samples collected during 1993.												
7	6570	5	Y	SNOQUALMIE RIVER	QW73YS	4.626	27N	06E	26	Temperature		Water
Dept. of Ecology unpublished data from core ambient monitoring station 07D050 (Snoqualmie R. near Monroe) shows a 7-day mean of daily maximum values of 20.7 for mid-week 13 August 2001.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 07D050 (SNOQUALMIE RIVER NEAR MONROE) shows 1 excursions beyond the criterion out of 51 samples collected between 1993 - 2001												
7	6571	5	Y	SNOQUALMIE RIVER	QW73YS	65.808	24N	08E	32	Temperature		Water
Dept. of Ecology unpublished data from core ambient monitoring station 07D130 (Snoqualmie R. at Snoqualmie) shows a 7-day mean of daily maximum values of 19.3 for mid-week 11 August 2001.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 07D130 (SNOQUALMIE RIVER AT SNOQUALMIE) shows 0 excursions beyond the criterion out of 42 samples collected between 1993 - 2001.												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
1998	7	7415	5	Y	SNOQUALMIE RIVER Puget Power, 1991. 8 excursions beyond the criterion out of 14 samples (57%) at Plant 1 Powerhouse Intake during 8/91.	QW73YS	63.338	24N	08E	30	Temperature	Water Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
	7	7428	5	Y	SNOQUALMIE RIVER, S.F. South Fork Resources, 1983. , 4 excursions beyond the criterion out of 12 samples at RM 10.0 on 4/8/82, 8/3/82, 9/8/82, and 1/7/83.	UC46QU	14.443	23N	09E	30	pH	Water Low pH.
	7	9298	5	N	SWAN TRAIL SLOUGH Cusimano (1997) station Snodry22 (Swan Trail Slough (STS22)) shows 2 excursions beyond the criterion out of 2 samples collected in 1993 and 2 excursions out of 2 samples collected in 1996.	AI14IV	0	28N	05E	03	Ammonia-N	Water
	7	17494	5	N	SWIFTY (FERGUSON) CREEK Friends of Blackman's Lake unpublished data show excursions beyond the criterion in 1998, 1999, 2000, and 2001 measured at several locations in the segment.	IQ42NC	3.181	28N	06E	06	Dissolved oxygen	Water
	7	17495	5	N	SWIFTY (FERGUSON) CREEK Friends of Blackman's Lake unpublished data show excursions beyond the criterion in 1998, 1999, 2000, and 2001 measured at several locations in the segment.	IQ42NC	3.181	28N	06E	06	Temperature	Water
	7	7435	5	Y	WALLACE RIVER Washington Department of Fish and Wildlife data show numerous excursions beyond the criterion at the inflow to the Skykomish Hatchery.	OR02JV	0.737	28N	09E	31	Temperature	Water The water segment is listed as Category 5 based on the assessment.
	8	12687	5	N	BEAR CREEK King County unpublished data from station C484 (Bear Creek RM 2.5) show excursions beyond the dissolved oxygen criterion in 1998, 1999, 2000, 2001 and 2002.	BA64JJ	0	25N	06E	06	Dissolved oxygen	Water
	8	42087	5	N	BEAR CREEK City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 21 (Bear Creek Upstream of Redmond Way Outfall) shows 3 excursions beyond the criterion from samples collected on the following dates: 5/14/1996, 7/8/1997, 7/14/1998.	NC11TV	0	25N	05E	12	Dissolved oxygen	Water
	8	42094	5	N	BEAR CREEK City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 36 (Avondale @ 104th) shows 8 excursions beyond the criterion from samples collected on the following dates: 6/28/2001, 10/4/2001, 7/11/2002, 10/30/2002, 12/19/2002, 6/23/2003, 9/30/2003, 12/29/2003.	EW54VY	1.825	26N	06E	31	Dissolved oxygen	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
8	13133	5	N	BEAR CREEK King County unpublished data from station 484 (Bear Creek RM 1.0) show standards were not met each year in samples collected between 1998 and 2002.	WR69YU	0.375	25N	05E	12	Fecal Coliform		Water
8	13144	5	N	BEAR CREEK King County unpublished data from station C484 (Bear Creek RM 2.5) show standards were not met each year in samples collected between 1998 and 2002.	BA64JJ	0	25N	06E	06	Fecal Coliform		Water
8	13146	5	N	BEAR CREEK King County unpublished data from station J484 (Bear Creek RM 5.5) show standards were not met each year in samples collected between 1998 and 2002.	EW54VY	3.891	26N	06E	30	Fecal Coliform		Water
8	42096	5	N	BEAR CREEK City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 36 (Avondale @ 104th) shows quarterly samples exceeded the percentile criterion in years 2001, and 2003.	EW54VY	1.825	26N	06E	31	Fecal Coliform		Water
8	4804	5	N	BEAR CREEK King County unpublished data from station 484 (Bear Creek RM 1.0) show temperature criterion was exceeded in all years between 1998 and 2002.	WR69YU	0.375	25N	05E	12	Temperature		Water
8	4811	5	N	BEAR CREEK King County unpublished data from station C484 (Bear Creek RM 2.5) show temperature criterion was exceeded in all years between 1998 and 2002.	BA64JJ	0	25N	06E	06	Temperature		Water
8	4813	5	N	BEAR CREEK King County unpublished data from station J484 (Bear Creek RM 5.5) show temperature criterion was exceeded in all years between 1998 and 2002.	EW54VY	3.891	26N	06E	30	Temperature		Water
8	42095	5	N	BEAR CREEK City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 36 (Avondale @ 104th) shows 3 excursions beyond the criterion from samples collected on the following dates: 6/28/2001, 7/11/2002, 9/30/2003.	EW54VY	1.825	26N	06E	31	Temperature		Water
8	12153	5	N	BOREN LAKE King County unpublished data from station A740 show a geometric mean of 52 cfu/100mL with 0% exceeding the percentile criterion during 1999. King County unpublished data from station A740 show a geometric mean of 12 cfu/100mL with 0% exceeding the percentile criterion during 1998.	693QOY	24N	05E	28		Fecal Coliform		Water
8	42142	5	N	BRIDLECREST CREEK City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 28 (Bridlecrest Stream) shows quarterly samples exceeded the percentile criterion in years 2002, and 2003.	WN82RB	0.134	25N	05E	14	Fecal Coliform		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Remarks	Medium
				Basis							
8	12557	5	N	CEDAR RIVER	JG09GH	1.866	23N	05E	18	Fecal Coliform	Water
Hallock (2004), Dept. of Ecology ambient station 08C070 shows 1 of 4 samples (25%) in year 2001 exceeded the percentile criterion and 1 of 12 samples (8.3%) in year 2003 exceeded the percentile criterion.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08C070 (Cedar R. at Logan St. Bridge) shows a geometric mean of 47 does not exceed the criterion and that 20% of the samples exceeds the percentile criterion from 10 samples collected during 2001.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08C070 (Cedar R. at Logan St. Bridge) shows a geometric mean of 34 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 2000.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08C070 (Cedar R. at Logan St. Bridge) shows a geometric mean of 39 does not exceed the criterion and that 12% of the samples exceeds the percentile criterion from 16 samples collected during 1999.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08C070 (Cedar R. at Logan St. Bridge) shows a geometric mean of 28 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 1998.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08C070 (Cedar R. at Logan St. Bridge) shows a geometric mean of 79 does not exceed the criterion and that 8% of the samples does not exceed the percentile criterion from 12 samples collected during 1997.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08C070 (Cedar R. at Logan St. Bridge) shows a geometric mean of 86 does not exceed the criterion and that 33% of the samples exceeds the percentile criterion from 6 samples collected during 1996.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08C070 (Cedar R. at Logan St. Bridge) shows a geometric mean of 32 does not exceed the criterion and that 9% of the samples does not exceed the percentile criterion from 11 samples collected during 1995.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08C070 (Cedar R. at Logan St. Bridge) shows a geometric mean of 60 does not exceed the criterion and that 9% of the samples does not exceed the percentile criterion from 11 samples collected during 1994.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08C070 (Cedar R. at Logan St. Bridge) shows a geometric mean of 48 does not exceed the criterion and that 8% of the samples does not exceed the percentile criterion from 12 samples collected during 1993.											
8	13136	5	Y	CEDAR RIVER	JG09GH	15.415	23N	06E	29	Fecal Coliform	Water
King County unpublished data from station A438 (Cedar River RM 9.5) show standards were not met each year in samples collected in 1999, 2001, and 2002											
8	13149	5	N	CEDAR RIVER	JG09GH	0.467	23N	05E	07	Fecal Coliform	Water
King County unpublished data from station X438 (Cedar River RM 0.2) show standards were not met each year in samples collected between 1998 and 2002.											
8	4816	5	N	CEDAR RIVER	JG09GH	0.467	23N	05E	07	Temperature	Water
King County unpublished data from station X438 (Cedar River RM 0.2) show temperature criterion was exceeded in all years between 1998 and 2002.											

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
8	6573	5	N	CEDAR RIVER Dept. of Ecology unpublished data from core ambient monitoring station 08C070 (Cedar R. at Logan St. Bridge) shows a 7-day mean of daily maximum values of 19.1 for mid-week 11 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08C070 (CEDAR RIVER AT LOGAN ST/RENTON) shows 1 excursions beyond the criterion out of 62 samples collected between 1993 - 2001	JG09GH	1.866	23N	05E	18	Temperature	Water
8	13125	5	Y	COAL CREEK King County unpublished data from station 442 (Coal Creek RM 0.8) show standards were not met each year in samples collected between 1998 and 2002.	CH04NG	1.299	24N	05E	16	Fecal Coliform	Water
8	12688	5	N	COTTAGE LAKE CREEK King County unpublished data from station N484 (Cottage Lake Creek RM 2.0) show excursions beyond the dissolved oxygen criterion in 1998, 1999, 2000, and 2002.	NO74JS	3.102	26N	06E	18	Dissolved oxygen	Water
8	13147	5	N	COTTAGE LAKE CREEK King County unpublished data from station N484 (Cottage Lake Creek RM 2.0) show standards were not met each year in samples collected between 1998 and 2002.	NO74JS	3.102	26N	06E	18	Fecal Coliform	Water
8	4814	5	N	COTTAGE LAKE CREEK King County unpublished data from station N484 (Cottage Lake Creek RM 2.0) show temperature criterion was exceeded in all years between 1998 and 2002.	NO74JS	3.102	26N	06E	18	Temperature	Water
8	36163	5	N	DERBY CREEK City of Woodinville unpublished data show the geometric mean of 13 cfu/100mL from 2 samples collected in 2000 at 148th Ave NE. City of Woodinville unpublished data show the geometric mean of 137 cfu/100mL from 9 samples collected in 2001 at 148th Ave NE. City of Woodinville unpublished data show the geometric mean of 350 cfu/100mL from 1 samples collected in 2002 at 148th Ave NE.	QK82BO	0	26N	05E	15	Fecal Coliform	Water
8	6332	5	N	DESIRE LAKE O'Neal et al. (2001) concludes that designated uses are being supported. King County Volunteer Citizen Monitoring Program unpublished data show show summer mean epilimnetic total phosphorus exceeded the water quality standards from the Phase I project. External sources of phosphorus nutrient criterion in 1998, 1999, 2000, and 2001 from samples collected between 1998-2002. Completed Phase I State Clean Lakes Restoration Project : KCSWMD and KCM, 1994; KCSWMD and KCM, 1995 , Trophic state is eutrophic. Average summer epilimnetic phosphorus was 30 ug/l and chlorophyll levels were 15 ug/l. Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 17 ug/L derived from the reported Carlson's Trophic State Index value which does not exceed the water quality standards nutrient criterion for the Puget Lowlands Ecoregion.	144YNF	23N	05E	36	Total Phosphorus	King County Surface Water Management is implementing using state grant funds) the restoration plan recommended be controlled through 7 recommended watershed measures including forest retention, wetland restoration, shoreline wetland revegetation, storm water treatment, ditch maintenance, homeowner applied BMPs, and sewerage. In-lake recycling will be controlled through an alum treatment.	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
8	13140	5	N	EBRIGHT CREEK King County unpublished data from station A685 (Ebright Creek - WDF# 08.0149 at RM 0.1) show standards were not met each year in samples collected in 1998, 2000, 2001 and 2002.	UI56TQ	0.647	25N	06E	32	Fecal Coliform		Water
8	12156	5	N	ECHO LAKE King County unpublished data from station A706 show a geometric mean of 600 cfu/100mL with 100% exceeding the percentile criterion during 1998. King County unpublished data from station A706 show a geometric mean of 510 cfu/100mL with 100% exceeding the percentile criterion during 1999.	638BJE		26N	04E	06	Fecal Coliform		Water
8	13141	5	Y	EDEN (ETON) CREEK King County unpublished data from station A690 (Eden Creek - WDF# 08.0144 at RM 0.1) show standards were not met each year in samples collected in 2002.	FN75VG	0.288	25N	06E	32	Fecal Coliform		Water
8	42492	5	N	ELLIOTT BAY King County data (submitted by Kimberle Stark on 4/15/04) station KSYV02 (Magnolia) shows 2 of 3 samples (66.7%) exceeded the percentile criterion in year 2002; and 3 of 12 samples (25.0%) exceeded the percentile criterion in year 2003.	390KRD		47122G3D9	47.635	122.395	Fecal Coliform		Water
8	42496	5	N	ELLIOTT BAY King County data (submitted by Kimberle Stark on 4/15/04) station LTEH02 (inner Elliott Bay) shows a geometric mean of 16.42 exceeded the criterion and 2 of 12 samples (16.7%) exceeded the percentile criterion in year 2003.	390KRD		47122G3A3	47.605	122.335	Fecal Coliform		Water
8	12685	5	N	EVANS CREEK King County unpublished data from station B484 (Evans Creek RM 0.8) show excursions beyond the dissolved oxygen criterion in 1998, 1999, 2000, 2001 and 2002.	MI67EG	0.494	25N	06E	06	Dissolved oxygen		Water
8	12689	5	N	EVANS CREEK King County unpublished data from station S484 (Evans Creek RM 2.2) show excursions beyond the dissolved oxygen criterion in 1998, 1999, 2000, 2001 and 2002.	MI67EG	4.093	25N	06E	18	Dissolved oxygen		Water
8	13142	5	N	EVANS CREEK King County unpublished data from station B484 (Evans Creek RM 0.8) show standards were not met each year in samples collected in 1998, 2000, 2001 and 2002.	MI67EG	0.494	25N	06E	06	Fecal Coliform		Water
8	13148	5	N	EVANS CREEK King County unpublished data from station S484 (Evans Creek RM 2.2) show standards were not met each year in samples collected in 1998.	MI67EG	4.093	25N	06E	18	Fecal Coliform		Water
8	4809	5	N	EVANS CREEK King County unpublished data from station B484 (Evans Creek RM 0.8) show temperature criterion was exceeded in all years between 1998 and 2002.	MI67EG	0.494	25N	06E	06	Temperature		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Medium	Remarks
8	15772	5	N	FAIRWEATHER BAY CREEK King County unpublished data from station 498 (Fairweather Bay Tributary WDF# 08.0257 RM 0.1) show excursions beyond the criterion in 1987, 1988, 1989, and 1990.	DG67DF	0	25N	04E	99	Dissolved oxygen	Water
8	15773	5	Y	FAIRWEATHER BAY CREEK King County unpublished data from station 498 (Fairweather Bay Tributary WDF# 08.0257 RM 0.1) exceeded the geometric mean criterion in 1987, 1988, 1989, and 1990.	DG67DF	0	25N	04E	99	Fecal Coliform	Water Was listed as TRS 25N-04E-24 for 1998 list. -kk
8	15775	5	Y	FAIRWEATHER BAY CREEK King County unpublished data from station 498 (Fairweather Bay Tributary WDF# 08.0257 RM 0.1) exceeded the criterion in 1987, 1988, 1989, and 1990.	DG67DF	0	25N	04E	99	Temperature	Water Was listed as TRS 25N-04E-24 for 1998 list. -kk
8	12677	5	N	FORBES CREEK King County unpublished data from station 456 (Forbes Creek RM 0.2) show excursions beyond the dissolved oxygen criterion in years 1998, 2000, 2001 and 2002.	BG76BX	0.799	26N	05E	31	Dissolved oxygen	Water
8	13129	5	Y	FORBES CREEK King County unpublished data from station 456 (Forbes Creek RM 0.2) show standards were not met each year in samples collected between 1998 and 2002.	BG76BX	0.799	26N	05E	31	Fecal Coliform	Water
8	7029	5	N	FORBES CREEK King County unpublished data from station 456 (Forbes Creek RM 0.2) show temperature criterion was exceeded in all years between 1998 and 2002.	BG76BX	0.799	26N	05E	31	Temperature	Water
8	17381	5	N	GREEN LAKE Seiders, 2002. show the National Toxics Rule criterion was exceeded in fillet samples of Common carp collected in 2001.	670DAB		25N	04E	05	4,4'-DDE	Tissue
8	17378	5	N	GREEN LAKE Seiders, 2002. show the National Toxics Rule criterion was exceeded in in fillet samples of Common carp collected in 2001.	670DAB		25N	04E	05	Chlordane	Tissue
8	12157	5	N	GREEN LAKE King County unpublished data from station A734SB show a geometric mean of 43 cfu/100mL with 20% exceeding the percentile criterion during 1998. King County unpublished data from station A734SB show a geometric mean of 40 cfu/100mL with 24% exceeding the percentile criterion during 1999. King County unpublished data from station A734SB show a geometric mean of 28 cfu/100mL with 10% exceeding the percentile criterion during 2000. King County unpublished data from station A734SB show a geometric mean of 27 cfu/100mL with 10% exceeding the percentile criterion during 2001. King County unpublished data from station A734SB show a geometric mean of 51 cfu/100mL with 39% exceeding the percentile criterion during 2002.	670DAB		25N	04E	05	Fecal Coliform	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	
										Remarks		
Project underway	8	17383	5	N	GREEN LAKE	670DAB	25N	04E	05	Total PCBs	Tissue	
					Seiders, 2002. show the National Toxics Rule criterion was exceeded in in fillet samples of Common carp collected in 2001.							
	8	6339	5	Y	GREEN LAKE	670DAB	25N	04E	05	Total Phosphorus	Water	
					Completed Phase I Federal Clean Lakes Restoration Project in 1983. Problems Encountered: Blue-green algae, low transparency, sediment phosphorus					Completed Phase II Federal Clean Lakes Restoration		
					recycling, aquatic macrophytes, storm water.					in 1995: URS Consultants, 1990. Control measures based on the Phase I study -phosphorus precipitation/inactivation, dilution/flushing, watershed nutrient management (ordinances, sediment reductions, passive nutrient attenuation), aquatic macrophyte harvesting, structural storm water controls, public education.		
	8	42128	5	N	IDYLWOOD CREEK	BI22AX	0.235	25N	05E	24	Dissolved oxygen	Water
					City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 24 (Idylwood Creek @ W Lk Samm) shows multiple excursions beyond the criterion for continuous monitoring data collected between 8/2001 - 4/2002.							
	8	42130	5	N	IDYLWOOD CREEK	BI22AX	0.235	25N	05E	24	Fecal Coliform	Water
					City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 24 (Idylwood Creek @ W Lk Samm) shows quarterly samples exceeded the percentile criterion in years 2001, 2002, and 2003.							
	8	15785	5	N	ISSAQUAH CREEK	TF31OB	4.051	24N	06E	28	Dissolved oxygen	Water
					King County unpublished data from station A632 (Issaquah Creek RM 3.0) show excursions beyond the criterion in 1991, 1992, 1993, 1995, and 1996.							
	8	12675	5	N	JUANITA CREEK	WA69TP	2.528	26N	05E	30	Dissolved oxygen	Water
					King County unpublished data from station 446 (Junaita Creek RM 0.1) show excursions beyond the dissolved oxygen criterion in 1998, 1999, 2000, 2001 and 2002.							
					U.S.Geological Survey data from NWIS database station 12120490 (Juanita Cr at Juanita) shows 1 excursions beyond the criterion out of 1 samples collected between 01/93 - 10/00.							
	8	12686	5	N	JUANITA CREEK	WA69TP	4.783	26N	05E	20	Dissolved oxygen	Water
					King County unpublished data from station C446 (Juanita Creek RM 1.3) show excursions beyond the dissolved oxygen criterion in 1998, 1999 and 2002.							
	8	13127	5	Y	JUANITA CREEK	WA69TP	2.528	26N	05E	30	Fecal Coliform	Water
					King County unpublished data from station 446 (Junaita Creek RM 0.1) show standards were not met each year in samples collected between 1998 and 2002.							

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
8	13143	5	Y	JUANITA CREEK King County unpublished data from station C446 (Juanita Creek RM 1.3) show standards were not met each year in samples collected between 1998 and 2002. U.S.Geological Survey data from NWIS database station 12120480 (Juanita Cr at NE 132nd st nr kirkland) shows a geometric mean of 780 exceeds the criterion and that 100% of the samples exceeds the percentile criterion from 1 samples collected during 1998.	WA69TP	4.783	26N	05E	20	Fecal Coliform	Water
8	4810	5	N	JUANITA CREEK King County unpublished data from station C446 (Juanita Creek RM 1.3) show temperature criterion was exceeded in all years between 1998 and 2002. U.S.Geological Survey data from NWIS database station 12120480 (Juanita Cr at NE 132nd st nr kirkland) shows 1 excursions beyond the criterion out of 6 samples collected between 01/93 - 10/00.	WA69TP	4.783	26N	05E	20	Temperature	Water
8	7027	5	N	JUANITA CREEK King County unpublished data from station 446 (Junaita Creek RM 0.1) show temperature criterion was exceeded in all years between 1998 and 2002. U.S.Geological Survey data from NWIS database station 12120490 (Juanita Cr at Juanita) shows 1 excursions beyond the criterion out of 1 samples collected between 01/93 - 10/00.	WA69TP	2.528	26N	05E	30	Temperature	Water
8	12674	5	N	KELSEY CREEK King County unpublished data from station 444 (Kelsey Creek RM 2.1) show excursions beyond the dissolved oxygen criterion in all years between 1998 and 2002.	CK50FE	7.893	25N	05E	33	Dissolved oxygen	Water
8	13126	5	Y	KELSEY CREEK King County unpublished data from station 444 (Kelsey Creek RM 2.1) show standards were not met each year in samples collected between 1998 and 2002.	CK50FE	7.893	25N	05E	33	Fecal Coliform	Water
8	7026	5	N	KELSEY CREEK King County unpublished data from station 444 (Kelsey Creek RM 2.1) show temperature criterion was exceeded in all years between 1998 and 2002.	CK50FE	7.893	25N	05E	33	Temperature	Water
8	15755	5	Y	LAUGHING JACOB'S CREEK Hallock (2004), Dept. of Ecology ambient station 08L070 shows 2 of 3 samples (66.7%) in year 2003 exceeded the percentile criterion. Seattle-Metro unpublished data from station A670 (Near Mouth) exceeded the geometric mean criterion in 1987.	AM27GW	12.59	24N	06E	16	Fecal Coliform	Water
8	12682	5	N	LEWIS CREEK King County unpublished data from station A617 (Lewis Creek WDF# 08.0162 at RM 0.1) show excursions beyond the dissolved oxygen criterion in 1998, 1999, WASWIS and Lower Route Address changed from SY87QV 2000, 2001 and 2002. 0.000 to AP28OD - 0.644 on 5/6/05. -kk	AP28OD	0.644	24N	06E	18	Dissolved oxygen	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks
8	13137	5	Y	LEWIS CREEK King County unpublished data from station A617 (Lewis Creek WDF# 08.0162 at RM 0.1) show standards were not met each year in samples collected between 1998 and 2002.	AP28OD	0.644	24N	06E	18	Fecal Coliform	Water	WASWIS and Lower Route Address changed from SY87QV 0.000 to AP28OD - 0.644 on 5/6/05. -kk
8	4807	5	N	LEWIS CREEK King County unpublished data from station A617 (Lewis Creek WDF# 08.0162 at RM 0.1) show temperature criterion was exceeded in all years between 1998 and 2002. U.S.Geological Survey data from NWIS database station 12121750 (Lewis Cr at 187th ave SE nr Bellevue) shows 0 excursions beyond the criterion out of 3 samples collected between 01/93 - 10/00.	AP28OD	0.644	24N	06E	18	Temperature	Water	WASWIS and Lower Route Address changed from SY87QV 0.000 to AP28OD - 0.644 on 5/6/05. -kk
8	12680	5	N	LITTLE BEAR CREEK King County unpublished data from station 478 (Little Bear Creek RM 0.2) show excursions beyond the dissolved oxygen criterion in 1998, 1999, 2000, 2001 and 2002. Snohomish County unpublished data from station LBCC (at Hwy 202) show excursions beyond the criterion from measurements collected in 2001.	UT96KR	0	26N	05E	09	Dissolved oxygen	Water	
8	13122	5	Y	LYON CREEK King County unpublished data from station 430 (Lyon Creek RM 0.2) show standards were not met each year in samples collected between 1998 and 2002. U.S.Geological Survey data from NWIS database station 12127290 (Lyon Cr at NE178th @ Lake Forest Park) shows a geometric mean of 450 exceeds the criterion and that 100% of the samples exceeds the percentile criterion from 1 samples collected during 1998.	AS70QO	0.49	26N	04E	10	Fecal Coliform	Water	
8	6402	5	N	MAPLE LEAF CREEK Hallock (2004), Dept. of Ecology ambient station 08M070 shows 2 of 2 samples (100%) in year 2003 exceeded the percentile criterion. U.S.Geological Survey data from NWIS database station 12127800 (SF Thornton Cr at 30th Ave NE nr Seattle) shows a geometric mean of 650 exceeds the criterion and that 100% of the samples exceeds the percentile criterion from 1 samples collected during 1998.	KK99GK	0.07	26N	04E	28	Fecal Coliform	Water	Changed from Category 2 to Category 5 on 01/25/05 due to consolidation with Listing ID 42541 (cat 5). Name changed from THORNTON CREEK to MAPLE LEAF CREEK. -kk
8	42145	5	N	MARYMOOR CREEK City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 29 (Marymoor Stream) shows quarterly samples exceeded the percentile criterion in years 2001, 2002, and 2003.	UNK000	0	25N	05E	11	Fecal Coliform	Water	
8	13124	5	Y	MAY CREEK King County unpublished data from station 440 (May Creek RM 0.2) show standards were not met each year in samples collected between 1998 and 2002.	BH96KG	2.207	24N	05E	32	Fecal Coliform	Water	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
8	15764	5	Y	MAY CREEK King County Surface Water Management (1995) shows 2 excursions beyond the criterion at the station a 164th Ave SE on 7/8/94 and 7/29/94; Two excursions beyond the criterion collected by King County Surface Water Management at the station a 164th Ave SE on 7/8/94 and 7/29/94.	BH96KG	0	24N	05E	99	Temperature	Water Was TRS 23N-05E-04 on the 1998 list. -kk
	12681	5	N	MCALeer CREEK King County unpublished data from station A432 (McAleer Creek RM 0.1) show excursions beyond the dissolved oxygen criterion in 1998, 1999, 2000, 2001 and 2002.	CF07LH	0.569	26N	04E	10	Dissolved oxygen	Water
	13135	5	Y	MCALeer CREEK King County unpublished data from station A432 (McAleer Creek RM 0.1) show standards were not met each year in samples collected between 1998 and 2002.	CF07LH	0.569	26N	04E	10	Fecal Coliform	Water
	13145	5	Y	MERCER SLOUGH King County unpublished data from station D444 (West Branch Kelsey Creek WDF# 08.0264 at RM 0.1) show standards were not met each year in samples collected between 1998 and 2002.	CK50FE	4.499	24N	05E	08	Fecal Coliform	Water Name changed from KELSEY CREEK to MERCER on 3/2/05. -kk
	40609	5	Y	MERCER SLOUGH 54 excursions beyond the criterion at Seattle-Metro station A444 between 7/1/87 and 7/1/91.	DE87MT	0	24N	05E	05	Fecal Coliform	Water
8	4812	5	N	MERCER SLOUGH King County unpublished data from station D444 (West Branch Kelsey Creek WDF# 08.0264 at RM 0.1) show temperature criterion was exceeded in all years between 1998 and 2002.	CK50FE	4.499	24N	05E	08	Temperature	Water Name changed from KELSEY CREEK to MERCER on 3/2/05. -kk
	15767	5	Y	MULLEN SLOUGH King County, 1993, 9 excursions beyond the upper criterion at station 407 (Mullen Slough RM 0.5) during 1992 and 1993.	BP27QP	0	22N	04E	23	Fecal Coliform	Water Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
8	7450	5	Y	NORMA CREEK Thornburgh, 1996. , 51% of samples collected between 1992 -1995 show excursions beyond the upper criteria at station PSLU; Thornburgh, 1996. , 25% of samples collected between 1992 -1995 show excursions beyond the upper criteria at station PSLD.	YI62JI	0.003	28N	04E	32	Fecal Coliform	Water
8	7031	5	N	NORTH CREEK King County unpublished data from station 474 (North Creek RM 0.1) show temperature criterion was exceeded in all years between 1998 and 2002.	SM74QQ	0	26N	05E	08	Temperature	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks
8	42080	5	N	PETERS CREEK City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 7 (Peters Creek Outfall) shows multiple excursions beyond the criterion for continuous monitoring data collected between 8/2001 - 11/2002.	ZA21LY	0.123	26N	05E	34	Dissolved oxygen	Water	
8	42082	5	N	PETERS CREEK City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 7 (Peters Creek Outfall) shows quarterly samples exceeded the percentile criterion in years 2001, 2002, and 2003.	ZA21LY	0.123	26N	05E	34	Fecal Coliform	Water	
8	42093	5	N	PETERS CREEK City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 32 (Peters Creek @ 87th ST) shows quarterly samples exceeded the percentile criterion in years 2001, 2002, and 2003.	ZN74FV	0.005	25N	05E	03	Fecal Coliform	Water	
8	42081	5	N	PETERS CREEK City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 7 (Peters Creek Outfall) shows multiple excursions beyond the criterion for continuous monitoring data collected between 6/1996 - 9/2002.	ZA21LY	0.123	26N	05E	34	Temperature	Water	
8	12160	5	N	PINE LAKE Department of Ecology lakes monitoring data shows 1 of 3 (33.3%) daily maximum samples (collected 7/21/2003,8/18/2003, 9/29/2003) exceeded the percentile criterion in 2003. Samples were collected near Pine Lake Park recreation area and reflects water quality conditions in this area only. King County unpublished data from station A708 show a geometric mean of 69 cfu/100mL with 43% exceeding the percentile criterion during 1998. King County unpublished data from station A708 show a geometric mean of 66 cfu/100mL with 0% exceeding the percentile criterion during 1999. King County unpublished data from station E708SB show a geometric mean of 77 cfu/100mL with 41% exceeding the percentile criterion during 2001. King County unpublished data from station E708SB show a geometric mean of 21 cfu/100mL with 22% exceeding the percentile criterion during 2002.	193QBT	00U	XXU	00	Fecal Coliform	Water		
8	6364	5	N	PINE LAKE Welch, 2002. concludes that summer epilimnetic total phosphorus concentrations have remained the same since the implementation of Phase II controls (i.e., diversion). The values reported exceed the water quality standards action value. Hypolimnetic total phosphorus has increased. Storm water total phosphorus loading has increased 4 fold in a 13-year period due to a 56% increase in watershed development.	LH94AN	4.236	24N	06E	09	Total Phosphorus	Water	Completed Federal Clean Lakes Restoration Project in 1982 Problems Encountered: Blue-green algae, turbidity, low dissolved oxygen, tributary nutrient inputs, low transparency, sediment phosphorus recycling. Completed Phase II Clean Lakes Restoration Project in 1991: Anderson and Welch, 1991. Control measures implemented based on the Phase I Study - Diversion, watershed nutrient management (septic system management), public education.
8	12684	5	N	PINE LAKE CREEK King County unpublished data from station A680 (Pine Lake Creek RM 0.1) show excursions beyond the dissolved oxygen criterion in 1998, 1999, 2000, and 2002.	LH94AN	0.634	25N	06E	31	Dissolved oxygen	Water	

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WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
8	13139	5	Y	PINE LAKE CREEK King County unpublished data from station A680 (Pine Lake Creek RM 0.1) show standards were not met each year in samples collected between 1998 and 2002.	LH94AN	0.634	25N	06E	31	Fecal Coliform	Water
8	42477	5	N	PUGET SOUND King County data (submitted by Kimberle Stark on 4/15/04) station ITBRACKETT (Brackett's Landing) shows 3 samples exceeded the criterion on 10/28/02, 11/20/02, and 12/17/02.	390KRD	47122I3B8	47.815	122.385	Ammonia-N		Water
8	42487	5	N	PUGET SOUND King County data (submitted by Kimberle Stark on 4/15/04) station ITBRACKETT (Brackett's Landing) shows 2 of 10 samples (20.0%) exceeded the percentile criterion in year 2002.	390KRD	47122I3B8	47.815	122.385	Fecal Coliform		Water
8	42488	5	N	PUGET SOUND King County data (submitted by Kimberle Stark on 4/15/04) station ITEDWARDSPT (Edwards Point) shows 3 of 10 samples (30.0%) exceeded the percentile criterion in year 2003.	390KRD	47122I3A9	47.805	122.395	Fecal Coliform		Water
8	42475	5	N	PUGET SOUND (CENTRAL) King County data (submitted by Kimberle Stark on 4/15/04) station JSVW04 (Richmond Beach) shows 2 samples exceeded the criterion on 10/28/02 and 11/20/02.	390KRD	47122H3H9	47.775	122.395	Ammonia-N		Water
8	7336	5	N	PUGET SOUND (CENTRAL) Crecelius, et al. 1989 , excursions beyond the criterion in edible fish tissue.	390KRD	47122G4H1	47.675	122.415	Dieldrin		Tissue
8	42489	5	N	PUGET SOUND (CENTRAL) King County data (submitted by Kimberle Stark on 4/15/04) station JSVW04 (Richmond Beach) shows 2 of 12 samples (16.7%) exceeded the percentile criterion in year 2003.	390KRD	47122H3H9	47.775	122.395	Fecal Coliform		Water
8	42491	5	N	PUGET SOUND (CENTRAL) King County data (submitted by Kimberle Stark on 4/15/04) station KSQU01 (Shilshole Bay) shows a geometric mean of 24.36 exceeded the criterion in year 2003; 3 of 3 samples (100.0%) exceeded the percentile criterion in year 2002, and 4 of 12 samples (66.6%) exceeded the percentile criterion in year 2003.	390KRD	47122G4H0	47.675	122.405	Fecal Coliform		Water
8	11949	5	N	SAMMAMISH LAKE King County unpublished data from station 612 show 20 excursions beyond the criterion out of 52 samples collected between 1998 and 2002.	143MLR	47122F0J9	47.595	122.095	Ammonia-N		Water
8	11953	5	N	SAMMAMISH LAKE King County unpublished data from station 625 show 5 excursions beyond the criterion out of 50 samples collected between 1988 and 2002.	143MLR	47122G1F0	47.655	122.105	Ammonia-N		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium
				Basis						Remarks	
8	11954	5	N	SAMMAMISH LAKE	143MLR	47122G0A8	47.605	122.085	Ammonia-N	Water	
King County unpublished data from station M621 show 6 excursions beyond the criterion out of 50 samples collected between 1988 and 2002.											
8	15753	5	N	SAMMAMISH LAKE	143MLR	47122F0J9	47.595	122.095	Dissolved oxygen	Water	
Data collected by Seattle-Metro at the mid-lake station shows low hypolimnetic dissolved oxygen depletion likely due to the release of sediment phosphorus. Welch et al. (1986) has documented that the anoxia is exasperated by direct human caused influences										Phase II State Clean Lakes Restoration Project: Control measures implemented based on the Phase I study - watershed nutrient management, structural storm water controls, diversion, public education.	
8	12162	5	N	SAMMAMISH LAKE	143MLR	47122G0E9	47.645	122.095	Fecal Coliform	Water	
King County unpublished data from station 0602SB show a geometric mean of 153 cfu/100mL with 50% exceeding the percentile criterion during 1998. King County unpublished data from station 0602SB show a geometric mean of 57 cfu/100mL with 26% exceeding the percentile criterion during 1999. King County unpublished data from station 0602SB show a geometric mean of 55 cfu/100mL with 30% exceeding the percentile criterion during 2000. King County unpublished data from station 0602SB show a geometric mean of 49 cfu/100mL with 30% exceeding the percentile criterion during 2001. King County unpublished data from station 0602SB show a geometric mean of 35 cfu/100mL with 22% exceeding the percentile criterion during 2002.											
8	12163	5	N	SAMMAMISH LAKE	143MLR	47122F0F6	47.555	122.065	Fecal Coliform	Water	
King County unpublished data from station 0606SB show a geometric mean of 25 cfu/100mL with 11% exceeding the percentile criterion during 1998. King County unpublished data from station 0606SB show a geometric mean of 30 cfu/100mL with 10% exceeding the percentile criterion during 1999. King County unpublished data from station 0606SB show a geometric mean of 18 cfu/100mL with 20% exceeding the percentile criterion during 2000. King County unpublished data from station 0606SB show a geometric mean of 14 cfu/100mL with 14% exceeding the percentile criterion during 2001.											
8	12167	5	N	SAMMAMISH LAKE	143MLR	47122F0F7	47.555	122.075	Fecal Coliform	Water	
King County unpublished data from station 0615SB show a geometric mean of 51 cfu/100mL with 23% exceeding the percentile criterion during 2001. King County unpublished data from station 0615SB show a geometric mean of 6 cfu/100mL with 6% exceeding the percentile criterion during 2002.											
8	12670	5	N	SAMMAMISH RIVER	CA16HI	19.219	25N	05E	11	Dissolved oxygen	Water
King County unpublished data from station 486 (Sammamish River RM 12.5) show excursions beyond the dissolved oxygen criterion in 2000 and 2001.										During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments. Based on a review of monitoring studies for statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues to be impaired. (Braley, ECY/WQP, 2003)	
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08B110 (Sammamish R @ Redmond) shows 1 excursions beyond the criterion out of 12 samples collected between 1993 - 2001 measured on these dates: 94/07/18,											
8	12676	5	Y	SAMMAMISH RIVER	CA16HI	1.006	26N	04E	12	Dissolved oxygen	Water
King County unpublished data from station 450 (Sammamish RM 0.1) show excursions beyond the dissolved oxygen criterion in all years between 1998 and 2002. Was TRS 26N-05E-08 on 1998 list. -kk											

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
8	42085	5	N	SAMMAMISH RIVER City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 19 (Sammamish River Upstream of 85th St Bridge Outfall) shows 7 excursions beyond the criterion from samples collected on the following dates: 10/18/1995, 7/8/1997, 6/15/1998, 7/14/1998, 8/12/1998, 9/2/1998, 9/2/1998,9/2/1998, 10/1/1998.	CA16HI	17.583	25N	05E	02	Dissolved oxygen		Water
8	12561	5	Y	SAMMAMISH RIVER Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08B070 (Sammamish R. at Bothell) shows a geometric mean of 95 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 9 samples collected during 1999. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08B070 (Sammamish R. at Bothell) shows a geometric mean of 49 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 3 samples collected during 1998. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08B070 (Sammamish R. at Bothell) shows a geometric mean of 126 exceeds the criterion and that 67% of the samples exceeds the percentile criterion from 9 samples collected during 1994. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08B070 (Sammamish R. at Bothell) shows a geometric mean of 223 exceeds the criterion and that 83% of the samples exceeds the percentile criterion from 12 samples collected during 1993.	CA16HI	5.606	26N	05E	08	Fecal Coliform	Errantly listed as part of North Creek Fecal Coliform TMDL. Returned to Category 5 on 5/12/04. -kk	Water
8	12562	5	Y	SAMMAMISH RIVER King County unpublished data from station 486 (Sammamish River RM 12.5) show standards were met in all samples collected between 1998 and 2002. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08B110 (Sammamish R. at Redmond) shows a geometric mean of 91 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 3 samples collected during 1993. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08B110 (Sammamish R. at Redmond) shows a geometric mean of 87 exceeds the criterion and that 56% of the samples exceeds the percentile criterion from 9 samples collected during 1994.	CA16HI	19.219	25N	05E	11	Fecal Coliform	Errantly listed as part of North Creek fecal Coliform TMDL. Returned to Category 5 on 5/12/04. -kk	Water
8	13128	5	Y	SAMMAMISH RIVER King County unpublished data from station 450 (Sammamish RM 0.1) show standards were not met each year in samples collected between 1998 and 2002.	CA16HI	1.006	26N	04E	12	Fecal Coliform	WASWIS was listed as ZC89FB on the 1998 list.	Water
8	4805	5	Y	SAMMAMISH RIVER Carey, B., (2003), station SAM-1 shows 2 samples exceeded the criterion in year 2001. Carey, B., (2003), station SAM-2 shows 2 samples exceeded the criterion in year 2001. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08B110 (Sammamish R @ Redmond) shows 4 excursions beyond the criterion out of 12 samples collected between 1993 - 2001 measured on these dates: 94/06/20, 94/07/18, 94/08/15, 94/09/19. King County unpublished data from station 486 (Sammamish River RM 12.5) show temperature criterion was exceeded in all years between 1998 and 2002.	CA16HI	19.219	25N	05E	11	Temperature		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks					
in water public	8	7028	5	Y	SAMMAMISH RIVER					CA16HI	1.006	26N	04E	12	Temperature	Water	King County unpublished data from station 450 (Sammamish RM 0.1) show temperature criterion was exceeded in all years between 1998 and 2002. Was TRS 26N-05E-08 on 1998 list. -kk
	8	6368	5	Y	SCRIBER LAKE					414VNQ	27N	04E	21	Total Phosphorus	Water	Completed Phase I State Clean Lakes Restoration Project in 1987 -Problems Encountered: Blue-green algae, high turbidity, low dissolved oxygen, sediment phosphorus recycling, low transparency, aquatic macrophytes, storm water. URS Consultants, 1986. 1995: Control measures underway based on the Phase I study -diversion, hypolimnetic aeration, structural storm controls, diversion, watershed nutrient management (ordinance development, passive nutrient attenuation), education. Completed Phase II State Clean Lakes Restoration Project	
	8	12678	5	Y	SWAMP CREEK					GJ57UL	0	26N	04E	12	Dissolved oxygen	Water	King County unpublished data from station 470 (Swamp Creek RM 0.5) show excursions beyond the dissolved oxygen criterion in years 2000, 2001 and 2002.
	8	40747	5	N	SWAMP CREEK					GJ57UL	16.144	28N	04E	35	Dissolved oxygen	Water	Snohomish County unpublished data from station SCLU (NORTH OF 148TH ST SW ABOVE DRAINAGE COMING FROM EAST ALONG 148TH ST SW.) show excursions beyond the criterion from measurements collected 1999-2002.
	8	7464	5	Y	SWAMP CREEK					GJ57UL	14.335	27N	04E	02	Fecal Coliform	Water	Thornburgh, 1996. 30% of samples collected between 1992 - 1995 show excursions beyond the upper criteria at station SCLU. Snohomish County unpublished data from station SCLU (NORTH OF 148TH ST SW ABOVE DRAINAGE COMING FROM EAST ALONG 148TH ST SW.) shows a geometric mean of 115 cfu/100mL with 29% of samples exceeding the percentile criterion from 7 samples collected in 1998. Snohomish County unpublished data from station SCLU (NORTH OF 148TH ST SW ABOVE DRAINAGE COMING FROM EAST ALONG 148TH ST SW.) shows a geometric mean of 236 cfu/100mL with 33% of samples exceeding the percentile criterion from 12 samples collected in 1999. Snohomish County unpublished data from station SCLU (NORTH OF 148TH ST SW ABOVE DRAINAGE COMING FROM EAST ALONG 148TH ST SW.) shows a geometric mean of 132 cfu/100mL with 22% of samples exceeding the percentile criterion from 9 samples collected in 2000. Snohomish County unpublished data from station SCLU (NORTH OF 148TH ST SW ABOVE DRAINAGE COMING FROM EAST ALONG 148TH ST SW.) shows a geometric mean of 81 cfu/100mL with 33% of samples exceeding the percentile criterion from 9 samples collected in 2001. Snohomish County unpublished data from station SCLU (NORTH OF 148TH ST SW ABOVE DRAINAGE COMING FROM EAST ALONG 148TH ST SW.) shows a geometric mean of 58 cfu/100mL with 29% of samples exceeding the percentile criterion from 7 samples collected in 2002.
	8	7465	5	Y	SWAMP CREEK					GJ57UL	3.601	26N	04E	02	Fecal Coliform	Water	Thornburgh, 1996. 46% of samples collected between 1992 - 1995 show excursions beyond the upper criteria at station SCLD.

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
8	12565	5	N	SWAMP CREEK Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08J100 (Swamp Creek abv Lynnwood) shows a geometric mean of 60 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 3 samples collected during 1998. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08J100 (Swamp Creek abv Lynnwood) shows a geometric mean of 79 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 9 samples collected during 1999.	GJ57UL	16.144	28N	04E	35	Fecal Coliform		Water
8	13130	5	N	SWAMP CREEK King County unpublished data from station 470 (Swamp Creek RM 0.5) show standards were not met each year in samples collected between 1998 and 2002.	GJ57UL	0	26N	04E	12	Fecal Coliform		Water
8	21989	5	N	SWAMP CREEK Snohomish County unpublished data from station SCLD (AT COUNTY LINE AT BRIDGE SOUTH OF 24225 LOCKWOOD ROAD.) shows a geometric mean of 201 cfu/100mL with 70% of samples exceeding the percentile criterion from 10 samples collected in 1998. Snohomish County unpublished data from station SCLD (AT COUNTY LINE AT BRIDGE SOUTH OF 24225 LOCKWOOD ROAD.) shows a geometric mean of 354 cfu/100mL with 75% of samples exceeding the percentile criterion from 12 samples collected in 1999. Snohomish County unpublished data from station SCLD (AT COUNTY LINE AT BRIDGE SOUTH OF 24225 LOCKWOOD ROAD.) shows a geometric mean of 119 cfu/100mL with 25% of samples exceeding the percentile criterion from 12 samples collected in 2000. Snohomish County unpublished data from station SCLD (AT COUNTY LINE AT BRIDGE SOUTH OF 24225 LOCKWOOD ROAD.) shows a geometric mean of 105 cfu/100mL with 42% of samples exceeding the percentile criterion from 12 samples collected in 2001. Snohomish County unpublished data from station SCLD (AT COUNTY LINE AT BRIDGE SOUTH OF 24225 LOCKWOOD ROAD.) shows a geometric mean of 73 cfu/100mL with 14% of samples exceeding the percentile criterion from 7 samples collected in 2002.	GJ57UL	3.762	27N	04E	35	Fecal Coliform		Water
8	7030	5	N	SWAMP CREEK King County unpublished data from station 470 (Swamp Creek RM 0.5) show temperature criterion was exceeded in all years between 1998 and 2002.	GJ57UL	0	26N	04E	12	Temperature		Water
8	12666	5	N	THORNTON CREEK King County unpublished data from station 434 (Thornton Creek RM 0.3) show excursions beyond the dissolved oxygen criterion in years 1998 and 1999. U.S.Geological Survey data from NWIS database station 12128000 (Thornton Cr nr Seattle) shows 11 excursions beyond the criterion out of 49 samples collected DURING 1996 AND 1997.	VQ98YZ	1.219	26N	04E	34	Dissolved oxygen		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
8	13123	5	Y	THORNTON CREEK	VQ98YZ	1.219	26N	04E	34	Fecal Coliform		Water
King County unpublished data from station 434 (Thornton Creek RM 0.3) show standards were not met each year in samples collected between 1998 and 2002.												
U.S.Geological Survey data from NWIS database station 12128000 (Thornton Cr nr Seattle) shows a geometric mean of 870 exceeds the criterion and that 100% of the samples exceeds the percentile criterion from 1 samples collected during 1998.												
8	7024	5	N	THORNTON CREEK	VQ98YZ	1.219	26N	04E	34	Temperature		Water
King County unpublished data from station 434 (Thornton Creek RM 0.3) show temperature criterion was exceeded in all years between 1998 and 2002.												
U.S.Geological Survey data from NWIS database station 12128000 (Thornton Cr nr Seattle) shows 6 excursions beyond the criterion out of 53 samples collected during 1996, 1997, and 1998.												
8	12683	5	N	TIBBETTS CREEK	MB51QQ	0.781	24N	06E	20	Dissolved oxygen		Water
King County unpublished data from station A620 (Tibbetts Creek RM 0.4) show excursions beyond the dissolved oxygen criterion in 1998, 2000, 2001 and 2002.												
8	15778	5	N	TIBBETTS CREEK	EA48LQ	0	24N	06E	29	Dissolved oxygen		Water
King County unpublished data from station A630 (Tibbetts Creek RM 1.0) show the criterion was exceeded in 1987, 1988, 1989, and 1990.												
8	4808	5	N	TIBBETTS CREEK	MB51QQ	0.781	24N	06E	20	Temperature		Water
King County unpublished data from station A620 (Tibbetts Creek RM 0.4) show temperature criterion was exceeded in all years between 1998 and 2002.												
8	15781	5	N	TIBBETTS CREEK	EA48LQ	0	24N	06E	29	Temperature		Water
King County unpublished data from station A630 (Tibbetts Creek RM 1.0) show the criterion was exceeded in 1987, 1988, 1989, and 1990.between 1/91 and 4/97.												
8	11918	5	N	UNION LAKE	043HCN	25N	04E	19		Aldrin		Water
King County unpublished data from station 527 show excursions beyond the National Toxic Rule criterion on 14 May 1998 and 25 June 1998.												

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium
				Basis					Remarks	
8	12172	5	N	UNION LAKE	043HCN	25N	04E	19	Fecal Coliform	Water
King County data (submitted by Kimberle Stark), station 512 (Ship Canal above Locks) shows 3 of 3 samples (100.0%)exceeded the percentile criterion in 2002; and 4 of 12 samples (33.3%) exceeded the percentile criterion in 2003.										
King County unpublished data from station 512 show a geometric mean of 49 cfu/100mL with 17% exceeding the percentile criterion during 2001. King County unpublished data from station 512 show a geometric mean of 46 cfu/100mL with 12% exceeding the percentile criterion during 2002.										
King County unpublished data from station 512 show a geometric mean of 98 cfu/100mL with 50% exceeding the percentile criterion during 2000.										
King County unpublished data from station 512 show a geometric mean of 40 cfu/100mL with 8% exceeding the percentile criterion during 1999.										
King County unpublished data from station 512 show a geometric mean of 47 cfu/100mL with 17% exceeding the percentile criterion during 1998.										
8	12173	5	N	UNION LAKE	043HCN	25N	04E	19	Fecal Coliform	Water
King County unpublished data from station 518 show a geometric mean of 48 cfu/100mL with 25% exceeding the percentile criterion during 1998.										
King County unpublished data from station 518 show a geometric mean of 30 cfu/100mL with 0% exceeding the percentile criterion during 1999.										
King County unpublished data from station 518 show a geometric mean of 29 cfu/100mL with 0% exceeding the percentile criterion during 2000.										
King County unpublished data from station 518 show a geometric mean of 23 cfu/100mL with 0% exceeding the percentile criterion during 2001.										
King County unpublished data from station 518 show a geometric mean of 23 cfu/100mL with 12% exceeding the percentile criterion during 2002.										
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08K090 (Ship Canal @ Freemont) shows a geometric mean of 24 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 3 samples collected during 1993.										
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08K090 (Ship Canal @ Freemont) shows a geometric mean of 17 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 9 samples collected during 1994.										
8	12175	5	N	UNION LAKE	043HCN	25N	04E	19	Fecal Coliform	Water
King County unpublished data from station 536 show a geometric mean of 31 cfu/100mL with 17% exceeding the percentile criterion during 1999. King County unpublished data from station 536 show a geometric mean of 27 cfu/100mL with 17% exceeding the percentile criterion during 2000. King County unpublished data from station 536 show a geometric mean of 23 cfu/100mL with 8% exceeding the percentile criterion during 1998. King County unpublished data from station 536 show a geometric mean of 16 cfu/100mL with 0% exceeding the percentile criterion during 2001.										
King County unpublished data from station A522 show a geometric mean of 29 cfu/100mL with 8% exceeding the percentile criterion during 1998. King County unpublished data from station A522 show a geometric mean of 21 cfu/100mL with 17% exceeding the percentile criterion during 1999. King County unpublished data from station A522 show a geometric mean of 26 cfu/100mL with 25% exceeding the percentile criterion during 2000. King County unpublished data from station A522 show a geometric mean of 20 cfu/100mL with 8% exceeding the percentile criterion during 2001. King County unpublished data from station A522 show a geometric mean of 20 cfu/100mL with 12% exceeding the percentile criterion during 2002.										
8	8066	5	N	UNION LAKE	043HCN	25N	04E	19	Lead	Water
King County unpublished data from station 527 show the chronic criterion was exceeded 7 days in samples collected in 1998 and 2000.										

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
8	42155	5	N	UNNAMED CREEK (116th DITCH) City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 37 (116th Ditch) shows 8 excursions beyond the criterion from samples collected on the following dates: 6/28/2001, 10/4/2001, 7/11/2002, 12/19/2002, 6/23/2003, 9/30/2003.	YR12LU	0.004	26N	05E	27	Dissolved oxygen		Water
8	42157	5	N	UNNAMED CREEK (116th DITCH) City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 37 (116th Ditch) shows quarterly samples exceeded the percentile criterion in years 2001, and 2003.	YR12LU	0.004	26N	05E	27	Fecal Coliform		Water
8	42136	5	N	UNNAMED CREEK (46th ST AT W LAKE SAMMAMISH PKWY) City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 26 (46th & W Lk Samm Pkwy) shows quarterly samples exceeded the percentile criterion in years 2001, 2002, and 2003.	MK51YF	0	25N	05E	13	Fecal Coliform		Water
8	42139	5	N	UNNAMED CREEK (5050 AT W LAKE SAMMAMISH PKWY) City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 27 (5050 @ W Lk Samm. Pkwy) shows quarterly samples exceeded the percentile criterion in years 2001, 2002, and 2003.	QV69BQ	0.711	25N	05E	14	Fecal Coliform		Water
8	42154	5	N	UNNAMED CREEK (AT AVONDALE AND 116th ST) City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 35 (Avondale @ 116th) shows quarterly samples exceeded the percentile criterion in years 2001, 2002, and 2003.	EU47RU	0	26N	06E	30	Fecal Coliform		Water
8	42116	5	N	UNNAMED CREEK (BIRDCAGE) City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 2 (Birdcage) shows quarterly samples exceeded the percentile criterion in years 2001, 2002, and 2003.	UNK000	0	25N	06E	19	Fecal Coliform		Water
8	42131	5	N	UNNAMED CREEK (OVERLAKE SEARS TRUNKLINE) City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 25 (Overlake Sears Trunk line) shows 8 excursions beyond the criterion from samples collected on the following dates: 5/10/2001, 6/26/2001, 10/2/2001, 7/10/2002, 10/29/2002, 12/18/2002, 6/23/2003, 9/29/2003.	UNK000	0	25N	05E	26	Dissolved oxygen		Water
8	42133	5	N	UNNAMED CREEK (OVERLAKE SEARS TRUNKLINE) City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 25 (Overlake Sears Trunk line) shows quarterly samples exceeded the percentile criterion in years 2001, 2002, and 2003.	UNK000	0	25N	05E	26	Fecal Coliform		Water
8	42148	5	N	UNNAMED CREEK (REDMOND 74 CREEK) City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 33 (Redmond 74 Stream) shows quarterly samples exceeded the percentile criterion in years 2001, and 2003.	AS25AG	0	26N	05E	35	Fecal Coliform		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
8	42151	5	N	UNNAMED CREEK (REDMOND HS CREEK) City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 34 (Redmond HS Stream @ 116th) shows quarterly samples exceeded the percentile criterion in years 2001, 2002, and 2003.	MM70RV	2.187	26N	05E	25	Fecal Coliform	Water
8	42125	5	N	VILLA MARINA CREEK City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 15 (Villa Marina Stream) shows multiple excursions beyond the criterion for continuous monitoring data collected between 7/2001 - 10/2002.	TT34CE	0	25N	05E	13	Dissolved oxygen	Water
8	42127	5	N	VILLA MARINA CREEK City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 15 (Villa Marina Stream) shows quarterly samples exceeded the percentile criterion in years 2001, 2002, and 2003.	TT34CE	0	25N	05E	13	Fecal Coliform	Water
8	42126	5	N	VILLA MARINA CREEK City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 15 (Villa Marina Stream) shows multiple excursions beyond the criterion for continuous monitoring data collected between 7/2001 - 11/2002.	TT34CE	0	25N	05E	13	Temperature	Water
8	11966	5	N	WASHINGTON LAKE King County unpublished data from station 826 show 8 excursions beyond the criterion out of 51 samples collected between 1998 and 2002.	213HVK	47122G2I3	47.685		122.235	Ammonia-N	Water
8	11968	5	N	WASHINGTON LAKE King County unpublished data from station 831 show 9 excursions beyond the criterion out of 49 samples collected between 1998 and 2002.	213HVK	47122F2B1	47.515		122.215	Ammonia-N	Water
8	12182	5	Y	WASHINGTON LAKE King County unpublished data from station 0806SB show a geometric mean of 119 cfu/100mL with 49% exceeding the percentile criterion during 1998. King County unpublished data from station 0806SB show a geometric mean of 254 cfu/100mL with 76% exceeding the percentile criterion during 1999. King County unpublished data from station 0806SB show a geometric mean of 100 cfu/100mL with 43% exceeding the percentile criterion during 2000. King County unpublished data from station 0806SB show a geometric mean of 141 cfu/100mL with 56% exceeding the percentile criterion during 2001. King County unpublished data from station 0806SB show a geometric mean of 134 cfu/100mL with 56% exceeding the percentile criterion during 2002.	213HVK	47122H2A1	47.705		122.215	Fecal Coliform	Water
8	12184	5	Y	WASHINGTON LAKE King County unpublished data from station 0813SB show a geometric mean of 18 cfu/100mL with 16% exceeding the percentile criterion during 2000. King County unpublished data from station 0813SB show a geometric mean of 26 cfu/100mL with 10% exceeding the percentile criterion during 1998. King County unpublished data from station 0813SB show a geometric mean of 17 cfu/100mL with 5% exceeding the percentile criterion during 1999. King County unpublished data from station 0813SB show a geometric mean of 12 cfu/100mL with 0% exceeding the percentile criterion during 2001. King County unpublished data from station 0813SB show a geometric mean of 9 cfu/100mL with 0% exceeding the percentile criterion during 2002.	213HVK	47122F2F5	47.555		122.255	Fecal Coliform	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium	Remarks
				Basis							
8	12187	5	Y	WASHINGTON LAKE	213HVK	47122G2J7	47.695	122.275	Fecal Coliform	Water	King County unpublished data from station 0818SB show a geometric mean of 230 cfu/100mL with 55% exceeding the percentile criterion during 1998. King County unpublished data from station 0818SB show a geometric mean of 93 cfu/100mL with 42% exceeding the percentile criterion during 1999. King County unpublished data from station 0818SB show a geometric mean of 59 cfu/100mL with 25% exceeding the percentile criterion during 2000. King County unpublished data from station 0818SB show a geometric mean of 114 cfu/100mL with 47% exceeding the percentile criterion during 2001. King County unpublished data from station 0818SB show a geometric mean of 98 cfu/100mL with 50% exceeding the percentile criterion during 2002.
8	12188	5	N	WASHINGTON LAKE	213HVK	47122F2I8	47.585	122.285	Fecal Coliform	Water	King County unpublished data from station 0820SB show a geometric mean of 67 cfu/100mL with 47% exceeding the percentile criterion during 1998. King County unpublished data from station 0820SB show a geometric mean of 28 cfu/100mL with 20% exceeding the percentile criterion during 1999. King County unpublished data from station 0820SB show a geometric mean of 18 cfu/100mL with 5% exceeding the percentile criterion during 2000. King County unpublished data from station 0820SB show a geometric mean of 22 cfu/100mL with 14% exceeding the percentile criterion during 2001. King County unpublished data from station 0820SB show a geometric mean of 18 cfu/100mL with 17% exceeding the percentile criterion during 2002.
8	12189	5	N	WASHINGTON LAKE	213HVK	47122G2F1	47.655	122.215	Fecal Coliform	Water	King County unpublished data from station 0825SB show a geometric mean of 17 cfu/100mL with 25% exceeding the percentile criterion during 1998. King County unpublished data from station 0825SB show a geometric mean of 13 cfu/100mL with 10% exceeding the percentile criterion during 1999. King County unpublished data from station 0825SB show a geometric mean of 20 cfu/100mL with 0% exceeding the percentile criterion during 2000. King County unpublished data from station 0825SB show a geometric mean of 32 cfu/100mL with 20% exceeding the percentile criterion during 2001. King County unpublished data from station 0825SB show a geometric mean of 20 cfu/100mL with 10% exceeding the percentile criterion during 2002.
8	12191	5	Y	WASHINGTON LAKE	213HVK	47122G2I4	47.685	122.245	Fecal Coliform	Water	King County unpublished data from station 0826OLA show a geometric mean of 43 cfu/100mL with 21% exceeding the percentile criterion during 2000. King County unpublished data from station 0826OLA show a geometric mean of 48 cfu/100mL with 25% exceeding the percentile criterion during 2001. King County unpublished data from station 0826OLA show a geometric mean of 31 cfu/100mL with 12% exceeding the percentile criterion during 2002. King County unpublished data from station 0826SB show a geometric mean of 24 cfu/100mL with 16% exceeding the percentile criterion during 1998. King County unpublished data from station 0826SB show a geometric mean of 32 cfu/100mL with 20% exceeding the percentile criterion during 1999. King County unpublished data from station 0826SB show a geometric mean of 39 cfu/100mL with 14% exceeding the percentile criterion during 2000. King County unpublished data from station 0826SB show a geometric mean of 36 cfu/100mL with 26% exceeding the percentile criterion during 2001. King County unpublished data from station 0826SB show a geometric mean of 12 cfu/100mL with 12% exceeding the percentile criterion during 2002.

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium	Remarks
				Basis							
8	12193	5	Y	WASHINGTON LAKE	213HVK	47122F2A0	47.505	122.205	Fecal Coliform	Water	
King County unpublished data from station 0828SB show a geometric mean of 220 cfu/100mL with 53% exceeding the percentile criterion during 1998. King County unpublished data from station 0828SB show a geometric mean of 82 cfu/100mL with 35% exceeding the percentile criterion during 1999. King County unpublished data from station 0828SB show a geometric mean of 94 cfu/100mL with 56% exceeding the percentile criterion during 2000. King County unpublished data from station 0828SB show a geometric mean of 31 cfu/100mL with 20% exceeding the percentile criterion during 2001. King County unpublished data from station 0828SB show a geometric mean of 105 cfu/100mL with 50% exceeding the percentile criterion during 2002.											
8	12195	5	Y	WASHINGTON LAKE	213HVK	47122F2B1	47.515	122.215	Fecal Coliform	Water	
King County unpublished data from station 831 show a geometric mean of 13 cfu/100mL with 18% exceeding the percentile criterion during 1998.											Listed as Grid Cell 47122F2I6 on 1998 list. -kk
King County unpublished data from station 831 show a geometric mean of 13 cfu/100mL with 12% exceeding the percentile criterion during 1999.											
King County unpublished data from station 831 show a geometric mean of 4 cfu/100mL with 0% exceeding the percentile criterion during 2000.											
King County unpublished data from station 831 show a geometric mean of 6 cfu/100mL with 0% exceeding the percentile criterion during 2001.											
King County unpublished data from station 831 show a geometric mean of 5 cfu/100mL with 0% exceeding the percentile criterion during 2002.											
8	12198	5	Y	WASHINGTON LAKE	213HVK	47122G2B0	47.615	122.205	Fecal Coliform	Water	
King County unpublished data from station 0834SB show a geometric mean of 466 cfu/100mL with 90% exceeding the percentile criterion during 1998.											Listed as Grid Cell 47122G2B1 on 1998 list. -kk
King County unpublished data from station 0834SB show a geometric mean of 244 cfu/100mL with 67% exceeding the percentile criterion during 1999.											
King County unpublished data from station 0834SB show a geometric mean of 109 cfu/100mL with 50% exceeding the percentile criterion during 2000.											
King County unpublished data from station 0834SB show a geometric mean of 103 cfu/100mL with 50% exceeding the percentile criterion during 2001.											
8	12199	5	N	WASHINGTON LAKE	213HVK	47122F1G9	47.565	122.195	Fecal Coliform	Water	
King County unpublished data from station 083930SB show a geometric mean of 35 cfu/100mL with 21% exceeding the percentile criterion during 1998.											
King County unpublished data from station 083930SB show a geometric mean of 43 cfu/100mL with 35% exceeding the percentile criterion during 1999.											
King County unpublished data from station 083930SB show a geometric mean of 42 cfu/100mL with 26% exceeding the percentile criterion during 2000.											
King County unpublished data from station 083930SB show a geometric mean of 38 cfu/100mL with 11% exceeding the percentile criterion during 2001.											
King County unpublished data from station 083930SB show a geometric mean of 32 cfu/100mL with 12% exceeding the percentile criterion during 2002.											

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
8	12202	5	N	WASHINGTON LAKE	213HVK	47122G2B3	47.615	122.235	Fecal Coliform		Water
King County unpublished data from station 0860SB show a geometric mean of 121 cfu/100mL with 47% exceeding the percentile criterion during 1998. King County unpublished data from station 0860SB show a geometric mean of 54 cfu/100mL with 24% exceeding the percentile criterion during 1999. King County unpublished data from station 0860SB show a geometric mean of 87 cfu/100mL with 46% exceeding the percentile criterion during 2000. King County unpublished data from station 0860SB show a geometric mean of 89 cfu/100mL with 36% exceeding the percentile criterion during 2001. King County unpublished data from station 0860SB show a geometric mean of 23 cfu/100mL with 9% exceeding the percentile criterion during 2002. King County unpublished data from station 0852SB show a geometric mean of 21 cfu/100mL with 18% exceeding the percentile criterion during 2002.											
8	12204	5	Y	WASHINGTON LAKE	213HVK	47122F2C6	47.525	122.265	Fecal Coliform		Water
King County unpublished data from station 4903 show a geometric mean of 34 cfu/100mL with 17% exceeding the percentile criterion during 1998. King County unpublished data from station 4903 show a geometric mean of 49 cfu/100mL with 33% exceeding the percentile criterion during 1999. King County unpublished data from station 4903 show a geometric mean of 22 cfu/100mL with 8% exceeding the percentile criterion during 2000. King County unpublished data from station 4903 show a geometric mean of 35 cfu/100mL with 25% exceeding the percentile criterion during 2001. King County unpublished data from station 4903 show a geometric mean of 37 cfu/100mL with 29% exceeding the percentile criterion during 2002.											
8	12205	5	Y	WASHINGTON LAKE	213HVK	47122F2D6	47.535	122.265	Fecal Coliform		Water
King County unpublished data from station 4903SB show a geometric mean of 43 cfu/100mL with 16% exceeding the percentile criterion during 1998. King County unpublished data from station 4903SB show a geometric mean of 25 cfu/100mL with 30% exceeding the percentile criterion during 1999. King County unpublished data from station 4903SB show a geometric mean of 17 cfu/100mL with 15% exceeding the percentile criterion during 2000. King County unpublished data from station 4903SB show a geometric mean of 62 cfu/100mL with 10% exceeding the percentile criterion during 2001. King County unpublished data from station 4903SB show a geometric mean of 56 cfu/100mL with 42% exceeding the percentile criterion during 2002.											
8	12206	5	Y	WASHINGTON LAKE	213HVK	47122G2H0	47.675	122.205	Fecal Coliform		Water
King County unpublished data from station A422SB show a geometric mean of 74 cfu/100mL with 45% exceeding the percentile criterion during 1998. King County unpublished data from station A422SB show a geometric mean of 23 cfu/100mL with 0% exceeding the percentile criterion during 1999.											
8	12208	5	N	WASHINGTON LAKE	213HVK	47122F2I2	47.585	122.225	Fecal Coliform		Water
King County unpublished data from station SD017SB show a geometric mean of 16 cfu/100mL with 5% exceeding the percentile criterion during 1998.											
King County unpublished data from station SD017SB show a geometric mean of 12 cfu/100mL with 0% exceeding the percentile criterion during 1999.											
King County unpublished data from station SD017SB show a geometric mean of 51 cfu/100mL with 26% exceeding the percentile criterion during 2000.											
King County unpublished data from station SD017SB show a geometric mean of 22 cfu/100mL with 0% exceeding the percentile criterion during 2001.											
King County unpublished data from station SD017SB show a geometric mean of 4 cfu/100mL with 0% exceeding the percentile criterion during 2002.											
8	43482	5	N	WASHINGTON LAKE	213HVK	47122H2E6	47.745	122.265	Total PCBs		Tissue
Seiders, 2004 shows fillet samples of largemouth bass collected in 2003 exceeded the National Toxics Rule criterion for Total PCBs											

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
8	36162	5	N	WEAVER (WOODIN) CREEK City of Woodinville unpublished data show the geometric mean of 673 cfu/100mL from 2 samples collected in 2000 at NE 171st Street. City of Woodinville unpublished data show the geometric mean of 212 cfu/100mL from 8 samples collected in 2001 at NE 171st Street. City of Woodinville unpublished data show the geometric mean of 800 cfu/100mL from 1 samples collected in 2002 at NE 171st Street.	GT43DP	0	26N	05E	09	Fecal Coliform	Water
8	42119	5	N	WILLOWS CREEK City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 10 (Willows Creek @ Willows Rd) shows multiple excursions beyond the criterion for continuous monitoring data collected between 4/2002 - 11/2002.	VL36DA	0.16	25N	05E	03	Dissolved oxygen	Water
8	42124	5	N	WILLOWS CREEK City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 10 (Willows Creek @ Willows Rd) shows quarterly samples exceeded the percentile criterion in years 2001, and 2003.	VL36DA	0.16	25N	05E	03	Fecal Coliform	Water
8	15795	5	N	YARROW BAY CREEK King County unpublished data from station A499 (Yarrow Bay Tributary WDF# 08.0252 at RM 0.1) show excursions beyond the criterion in 1993, 1994, and 1996.	IE91MG	3.175	25N	05E	17	Dissolved oxygen	Water
8	15796	5	Y	YARROW BAY CREEK King County unpublished data from station A499 (Yarrow Bay Tributary WDF# 08.0252 at RM 0.1) show the geometric mean criterion was exceeded in 1990.	IE91MG	3.175	25N	05E	17	Fecal Coliform	Water
										WASWIS was listed as IE91MG on 1998 list. -kk	
9	12613	5	N	ANGLE LAKE Department of Ecology lakes monitoring data shows 2 of 3 (66.6%) daily maximum samples (collected 7/21/2003,8/18/2003, 9/29/2003) exceeded the percentile criterion in 2003. Samples were collected near Angle Lake Park recreation area and reflects water quality conditions in this area only. King County unpublished data from station A732 show a geometric mean of 380 cfu/100mL with 100% exceeding the percentile criterion during 1998. King County unpublished data from station A732 show a geometric mean of 68 cfu/100mL with 0% exceeding the percentile criterion during 1999.	276YAS	22N	04E	03	Fecal Coliform	T22N R04E S03	Water
9	42303	5	N	BARNES CREEK Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines on 3/15/2004), station BA-1 shows the following exceedances of the criterion; 2 samples in 1995, 2 samples in 1996, 3 samples in 1997, 1 sample in 1998, and 1 sample in 1999.	MW05BA	0	22N	04E	17	Dissolved oxygen	Water
9	42304	5	N	BARNES CREEK Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines on 3/15/2004), station BA-1 shows in 1995 a geometric mean of 913.06 exceeded the criterion and 6 of 7 samples (85.7%) exceeded the percentile criterion; in 1996 a geometric mean of 491.93 exceeded the criterion and 5 of 8 samples (62.5%) exceeded the percentile criterion; in 1997 a geometric mean of 355.73 exceeded the criterion and 8 of 9 samples (88.9%) exceeded the percentile criterion; in 1998 a geometric mean of 2259.46 exceeded the criterion and 5 of 5 samples (100.0%) exceeded the percentile criterion; in 1999 a geometric mean of 467.53 exceeded the criterion and 7 of 8 samples (87.5%) exceeded the percentile criterion.	MW05BA	0	22N	04E	17	Fecal Coliform	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks
9	15866	5	Y	BIG SOOS CREEK King County unpublished data from station L320 (Soos Creek RM 10.5) show excursions beyond the criterion each year between 1993 and 1997.	VY43OI	18.07	22N	05E	03	Dissolved oxygen	Water	Name was SOOS CREEK SYSTEM on 1998 list. -kk
9	15867	5	Y	BIG SOOS CREEK King County unpublished data from station M320 (Soos Creek RM 10.0) show excursions beyond the criterion in 1993, 1994, 1995 and 1996.	VY43OI	16.347	22N	05E	10	Dissolved oxygen	Water	Name was SOOS CREEK SYSTEM on 1998 list. -kk
9	13160	5	Y	BIG SOOS CREEK King County unpublished data from station A320 (Soos Creek RM 0.7) show standards were not met in samples collected in 1998, 2000, 2001 and 2002. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09B090 (Big Soos Creek near Auburn) shows a geometric mean of 41 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 9 samples collected during 1999. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09B090 (Big Soos Creek near Auburn) shows a geometric mean of 23 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 4 samples collected during 1998. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09B090 (Big Soos Creek near Auburn) shows a geometric mean of 39 does not exceed the criterion and that 11% of the samples exceeds the percentile criterion from 9 samples collected during 1994, with only 1 sample that exceeds the percentile criterion. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09B090 (Big Soos Creek near Auburn) shows a geometric mean of 15 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 3 samples collected during 1993.	VY43OI	0	21N	05E	16	Fecal Coliform	Water	Name was SOOS CREEK SYSTEM on 1998 list. -kk
9	15870	5	Y	BIG SOOS CREEK King County unpublished data from station L320 (Soos Creek RM 10.5) show excursions beyond the geometric mean criterion in 1996.	VY43OI	18.07	22N	05E	03	Fecal Coliform	Water	Name was SOOS CREEK SYSTEM on 1998 list. -kk
9	15871	5	Y	BIG SOOS CREEK King County unpublished data from station N320 (Soos Creek RM 8.2) show excursions beyond the percentile criterion in 1993 and 1997. King County unpublished data from station P320 (Soos Creek RM 7.5) show no excursions beyond either the geometric mean criterion or the percentile criterion from samples taken between 1993-1997. 3 excursions beyond the upper criterion out of 43 samples (7%) collected at King County station P320 (Soos Creek RM 7.5) between 1/91 and 4/97.	VY43OI	12.7	22N	05E	23	Fecal Coliform	Water	Name was SOOS CREEK SYSTEM on 1998 list. -kk
9	13162	5	N	COVINGTON CREEK King County unpublished data from station C320 (Covington Creek RM 0.5) show standards were not met each year in samples collected in 1998, 1999 and 2000.	AU56VG	0.664	21N	05E	12	Fecal Coliform	Water	
9	13156	5	Y	CRISP CREEK King County unpublished data from station 321 (Crisp Creek RM 1.8) show standards were not met each year in samples collected between 1998 and 2002.	XM98DY	1.07	21N	06E	20	Fecal Coliform	Water	

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	Remarks
				Basis								
9	42309	5	N	DES MOINES CREEK	VX71MY	2.013	22N	04E	09	Copper	Water	Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines on 3/15/2004), station DM-1 shows 10 samples collected 12/8/1994, 7/9/1995, 10/20/1995, 11/7/1995, 3/3/1996, 3/31/1996, 4/22/1996, 9/3/1996, 4/22/1997, and 10/27/1999 exceeded the chronic criterion.
9	42306	5	N	DES MOINES CREEK	VX71MY	2.013	22N	04E	09	Dissolved oxygen	Water	Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines on 3/15/2004), station DM-1 shows the following exceedances of the criterion; 2 samples in 1995, 2 samples in 1996, 2 samples in 1997, 3 samples in 1998, and 2 samples in 1999.
9	42310	5	N	DES MOINES CREEK	VX71MY	0	22N	04E	08	Dissolved oxygen	Water	Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines on 3/15/2004), station DM-2 shows the following exceedances of the criterion; 2 samples in 1995, 2 samples in 1996, 3 samples in 1997, 1 sample in 1998, and 1 sample in 1999. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09C070 (Des Moines Cr nr Mouth) shows 1 excursions beyond the criterion out of 12 samples collected between 1993 - 2001 measured on this date: 94/07/20.
9	42313	5	N	DES MOINES CREEK	VX71MY	2.677	22N	04E	04	Dissolved oxygen	Water	Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines on 3/15/2004), station DM-3 (mainstem) shows the following exceedances of the criterion; 2 samples in 1995, and 1 sample in 1996. Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines on 3/15/2004), station DM-5 (west tributary) shows the following exceedances of the criterion; 2 samples in 1995, and 2 samples in 1996.
to												During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues be impaired. (Braley, ECY/WQP, 2003)
9	12568	5	Y	DES MOINES CREEK	VX71MY	0	22N	04E	08	Fecal Coliform	Water	Hallock (2004), Dept. of Ecology Ambient Monitoring Station 09C070(Des Moines Creek near Mouth) shows a geometric mean of 116.8 exceeds the criterion and that 4 of 9 samples (44%) exceeded the percentile criterion. Hallock (2001), Dept. of Ecology Ambient Monitoring Station 09C070 (Des Moines Creek near Mouth) shows a geometric mean of 67 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 9 samples collected during 1994. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09C070 (Des Moines Creek near Mouth) shows a geometric mean of 30 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 3 samples collected during 1993. Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines on 3/15/2004), station DM-2 shows 3 of 3 samples (100.0%) exceeded the percentile criterion; in 1995 a geometric mean of 1302.95 exceeded the criterion and 6 of 7 samples (85.7%) exceeded the percentile criterion; in 1996 a geometric mean of 278.14 exceeded the criterion and 5 of 8 samples (62.5%) exceeded the percentile criterion; in 1997 a geometric mean of 383.64 exceeded the criterion and 6 of 9 samples (66.7%) exceeded the percentile criterion; in 1998 a geometric mean of 477.19 exceeded the criterion and 3 of 5 samples (60.0%) exceeded the percentile criterion; in 1999 a geometric mean of 146.58 exceeded the criterion and 5 of 8 samples (62.5%) exceeded the percentile criterion.

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
9	42307	5	N	DES MOINES CREEK	VX71MY	2.013	22N	04E	09	Fecal Coliform		Water
Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines on 3/15/2004), station DM-1 shows in 1995 a geometric mean of 1245.10 exceeded the criterion and 6 of 7 samples (85.7%) exceeded the percentile criterion; in 1996 a geometric mean of 165.34 exceeded the criterion and 5 of 8 samples (62.5%) exceeded the percentile criterion; in 1997 a geometric mean of 286.57 exceeded the criterion and 7 of 9 samples (77.8%) exceeded the percentile criterion; in 1998 a geometric mean of 721.98 exceeded the criterion and 3 of 5 samples (60.0%) exceeded the percentile criterion; in 1999 a geometric mean of 90.41 exceeded the criterion and 2 of 8 samples (25.0%) exceeded the percentile criterion.												
9	42314	5	N	DES MOINES CREEK	VX71MY	2.677	22N	04E	04	Fecal Coliform		Water
Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines on 3/15/2004), station DM-3 (mainstem) shows 2 of 3 samples (66.7%) exceeded the percentile criterion. Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines on 3/15/2004), station DM-5 (west tributary) shows 2 of 3 samples (66.7%) exceeded the percentile criterion.												
9	42308	5	N	DES MOINES CREEK	VX71MY	2.013	22N	04E	09	Zinc		Water
Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines on 3/15/2004), station DM-1 shows 2 samples collected 7/9/1995 and 9/3/1996 exceeded the chronic criterion.												
9	42352	5	N	DES MOINES CREEK, EAST TRIBUTARY	CL09EE	0.731	23N	04E	33	Copper		Water
Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines on 3/15/2004), station DM-6 (east tributary) shows 3 samples collected 7/19/1995, 12/7/1995, and 3/27/1996 exceeded the chronic criterion.												
9	42350	5	N	DES MOINES CREEK, EAST TRIBUTARY	CL09EE	0.731	23N	04E	33	Dissolved oxygen		Water
Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines on 3/15/2004), station DM-6 (east tributary) shows the following exceedances of the criterion; 2 samples in 1995, and 1 sample in 1996.											During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues to be impaired. (Braley, ECY/WQP, 2003)	
9	42351	5	N	DES MOINES CREEK, EAST TRIBUTARY	CL09EE	0.731	23N	04E	33	Fecal Coliform		Water
Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines on 3/15/2004), station DM-6 (east tributary) shows 2 of 3 samples (66.7%) exceeded the percentile criterion.												
9	12614	5	N	DOLLOFF LAKE	194FPO	21N	04E	10		Fecal Coliform		Water
King County unpublished data from station A731 show a geometric mean of 59 cfu/100mL with 0% exceeding the percentile criterion during 1999. King County unpublished data from station A731 show a geometric mean of 20 cfu/100mL with 0% exceeding the percentile criterion during 1998.												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
9	14087	5	N	DUWAMISH WATERWAY AND RIVER Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple fish composite of edible tissue of Mountain whitefish and Bridelip sucker samples collected in 1984.	IG58VD	12.189	23N	04E	10	4,4'-DDD		Tissue
9	14088	5	N	DUWAMISH WATERWAY AND RIVER Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple fish composite of edible tissue of Mountain whitefish and Bridelip sucker samples collected in 1984.	IG58VD	12.189	23N	04E	10	4,4'-DDE		Tissue
9	14086	5	N	DUWAMISH WATERWAY AND RIVER Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple fish composite of edible tissue of Mountain whitefish and Bridelip sucker samples collected in 1984.	IG58VD	12.189	23N	04E	10	4,4'-DDT		Tissue
9	14089	5	N	DUWAMISH WATERWAY AND RIVER Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple fish composite of edible tissue of Mountain whitefish and Bridelip sucker samples collected in 1984.	IG58VD	12.189	23N	04E	10	ALPHA-BHC		Tissue
9	12702	5	N	DUWAMISH WATERWAY AND RIVER King County unpublished data from station 305 (Duwamish West Waterway) show excursions beyond the dissolved oxygen criterion in all years between 1998 and 2001.	DH90GX	1.756	24N	04E	18	Dissolved oxygen		Water
9	12703	5	N	DUWAMISH WATERWAY AND RIVER King County unpublished data from station 307 (Duwamish River RM 4.1) show excursions beyond the dissolved oxygen criterion in all years between 1998 and 2001.	IG58VD	7.779	24N	04E	33	Dissolved oxygen		Water
9	36171	5	N	DUWAMISH WATERWAY AND RIVER Myers, et al. 1998. show English sole with high prevalences of hepatic necoplasms and precursor legions with a significant redcution in DNS adduct concentrations and levels of CYP1A expressions at PAH contaminated sites. Myers et al. 1995. show focal legions and areas of biliary hyperplasia are precursors to the development of hepatocellular and billiary necoplasms in fish exposed to xenobiotics such as PAHs.	IG58VD	0	24N	04E	07	PAHs		Tissue
9	7467	5	Y	DUWAMISH WATERWAY AND RIVER Muckleshoot Indian Tribal data (submitted by Karen Walter on 3/1/96) show 3 excursions beyond the criterion out of 3 samples at Station 1 (West Kellogg) during 1994 and 1995.	IG58VD	1.63	24N	04E	18	pH	High pH	Water
9	7468	5	Y	DUWAMISH WATERWAY AND RIVER Muckleshoot Indian Tribal data (submitted by Karen Walter on 3/1/96) show 3 excursions beyond the criterion out of 3 samples at Station 2 (East Kellogg) during 1994 and 1995; Muckleshoot Indian Tribal data (submitted by Karen Walter on 3/1/96) show 3 excursions beyond the criterion out of 3 samples at Station 3 (Cement Triangle) during 1994 and 1995.	IG58VD	3.281	24N	04E	19	pH	High pH	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
9	7470	5	Y	DUWAMISH WATERWAY AND RIVER Muckleshoot Indian Tribal data (submitted by Karen Walter on 3/1/96) show 3 excursions beyond the criterion out of 3 samples at Station 4 (Oil Slick Beach) during 1994 and 1995.	IG58VD	5.034	24N	04E	30	pH	High pH	Water
9	7471	5	Y	DUWAMISH WATERWAY AND RIVER Muckleshoot Indian Tribal data (submitted by Karen Walter on 3/1/96) show 5 excursions beyond the criterion out of 5 samples at Station 5 (Chief Seattle Beach) during 1994 and 1995.	IG58VD	5.565	24N	04E	29	pH	High pH	Water
9	7472	5	Y	DUWAMISH WATERWAY AND RIVER Muckleshoot Indian Tribal data (submitted by Karen Walter on 3/1/96) show 3 excursions beyond the criterion out of 4 samples at Station 6 (Smelt Beach) during 1994 and 1995. King County unpublished data from station 307 show 2 excursions beyond the criteria out of 57 all samples collected between 1998 and 2002.	IG58VD	7.779	24N	04E	33	pH	High pH	Water
9	7474	5	Y	DUWAMISH WATERWAY AND RIVER Muckleshoot Indian Tribal data (submitted by Karen Walter on 3/1/96) show 3 excursions beyond the criterion out of 5 samples at Station 8 (Trimaran Mudflats) during 1994 and 1995.	IG58VD	11.527	23N	04E	09	pH	High pH	Water
9	7475	5	Y	DUWAMISH WATERWAY AND RIVER Muckleshoot Indian Tribal data (submitted by Karen Walter on 3/1/96) show 8 excursions beyond the criterion out of 8 samples at Station 9 (Dairy Farm) during 1994 and 1995.	IG58VD	15.021	23N	04E	11	pH	High pH	Water
9	8192	5	Y	DUWAMISH WATERWAY AND RIVER Johnson and Davis, 1996. , excursion beyond the National Toxics Rule criterion calculated for tissue in mussel samples collected in 1995 from site on east shore of west waterway, just upstream of Fisher Mills.	DH90GX	0	24N	03E	12	Total PCBs		Tissue
9	14090	5	N	DUWAMISH WATERWAY AND RIVER Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple fish composite of edible tissue of Mountain whitefish and Bridelip sucker samples collected in 1984.	IG58VD	12.189	23N	04E	10	Total PCBs		Tissue

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
9	33698	5	N	DUWAMISH WATERWAY AND RIVER	IG58VD	3.281	24N	04E	19	Total PCBs		Tissue
Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of more than 5 muscle samples collected in 1992 and 1995 from English sole (Pleuronectes vetulus) samples from station DUWAMISH. Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of more than 5 muscle samples collected in 1997 from English sole (Pleuronectes vetulus) samples from station DUWAMISH. Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of more than 5 muscle samples collected in 1992-1996 from coho salmon (Oncorhynchus kisutch) samples from station DUWAMISH. Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of 4 muscle samples collected in 1998 and 2000 from coho salmon (Oncorhynchus kisutch) samples from station DUWAMISH. Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of more than 5 muscle samples collected in 1992-1996 from chinook salmon (Oncorhynchus tshawytscha) samples from station DUWAMISH.												
9	15708	5	Y	ELLIOTT BAY	390KRD	47122F3J6	47.595	122.365		Fecal Coliform		Water
Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station ELB015 (Elliott Bay - E. of Duwamish Head) shows a geometric mean of 3 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 2 samples collected during 1991.Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station ELB015 (Elliott Bay - E. of Duwamish Head) shows a geometric mean of 5 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 9 samples collected during 1992.Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station ELB015 (Elliott Bay - E. of Duwamish Head) shows a geometric mean of 4 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 7 samples collected during 1993.Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station ELB015 (Elliott Bay - E. of Duwamish Head) shows a geometric mean of 10 does not exceed the criterion and that 29% of the samples exceeds the percentile criterion from 7 samples collected during 1994.Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station ELB015 (Elliott Bay - E. of Duwamish Head) shows a geometric mean of 7 does not exceed the criterion and that 12% of the samples exceeds the percentile criterion from 8 samples collected during 1995, with only 1 sample that exceeds the percentile criterion..Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station ELB015 (Elliott Bay - E. of Duwamish Head) shows a geometric mean of 18 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 6 samples collected during 1996.Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station ELB015 (Elliott Bay - E. of Duwamish Head) shows a geometric mean of 8 does not exceed the criterion and that 12% of the samples exceed the percentile criterion from 8 samples collected during 1997.Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station ELB015 (Elliott Bay - E. of Duwamish Head) shows a geometric mean of 8 does not exceed the criterion and that 25% of the samples exceed the percentile criterion from 4 samples collected during 1998.Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station ELB015 (Elliott Bay - E. of Duwamish Head) shows a geometric mean of 2 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 7 samples collected during 1999.												
9	15802	5	Y	ELLIOTT BAY	390KRD	47122G3C6	47.625	122.365		Fecal Coliform		Water
King County data (submitted by Kimberle Stark on 4/15/04) station LTAB01 (inner Elliott Bay) shows 3 of 12 samples (25.0%) exceeded the percentile criterion in year 2003.												
Seattle-Metro unpublished data from station LTAB01 exceeded the geometric mean criterion each year between 1988 and 1991.												
9	15803	5	Y	ELLIOTT BAY	390KRD	47122F3J4	47.595	122.345		Fecal Coliform		Water
Seattle-Metro unpublished data from station LTEH02 exceeded the geometric mean criterion each year between 1987 and 1991.												
9	42494	5	N	FAUNTLEROY COVE	390KRD	47122F3C9	47.525	122.395		Fecal Coliform		Water
King County data (submitted by Kimberle Stark on 4/15/04) station LSVW01 (Fauntleroy Cove) shows 2 of 11 samples (18.2%) exceeded the percentile criterion in year 2003.												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks
9	6655	5	Y	FAUNTLEROY CREEK Kendra, 1989. Multiple excursions beyond the upper criterion at the mouth in 1988.	BS29QB	0	24N	03E	99	Fecal Coliform	Water	Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.
9	6656	5	Y	FAUNTLEROY CREEK Kendra, 1989. Multiple excursions beyond the upper criterion at the mouth in 1988.	BS29QB	0.013	24N	03E	35	Fecal Coliform	Water	Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.
9	6336	5	N	FENWICK LAKE Completed Phase I Federal Clean Lakes Restoration Project in 1991- Problems Encountered: Blue-green algae, low dissolved oxygen, high turbidity, sediment phosphorus recycling, storm water, shoreline erosion. King County Volunteer Citizen Monitoring Program unpublished data show show summer mean epilimnetic total phosphorus exceeded the water quality standards nutrient criterion in 2001.	669TAC		22N	04E	26	Total Phosphorus	Water	Active Phase II Federal Clean Lakes Restoration Project: Entranco, 1991; Control measures underway based on the Phase I study -phosphorus precipitation/inactivation, hypolimnetic aeration, watershed nutrient management (ordinances, sediment reductions, passive nutrient attenuation), structural storm water controls, public education. TMDL based on Phase IB Restoration Project submitted on 3/9/92; EPA approved TMDL on 1/13/93. Onwumere (2002) determined that the goals set by the TMDL were not being achieved.
9	10721	5	N	FIVEMILE LAKE King County unpublished data from station A735 show a geometric mean of 123 cfu/100mL with 55% exceeding the percentile criterion during 1998. King County unpublished data from station A735 show a geometric mean of 23 cfu/100mL with 0% exceeding the percentile criterion during 1999. King County unpublished data from station A735SB show a geometric mean of 59 cfu/100mL with 33% exceeding the percentile criterion during 2001. King County unpublished data from station A735SB show a geometric mean of 14 cfu/100mL with 6% exceeding the percentile criterion during 2002.	919NRP		21N	04E	27	Fecal Coliform	Water	
9	7476	5	Y	GALE CREEK Data collected by the Muckleshoot Indian Tribe (submitted by Chantal Stevens on 10/31/97) show 26 excursions beyond the criterion out of 60 samples (43%) during 8/97 and 9/97 at Gale Creek RM 0.1.	ML05JG	0	21N	08E	36	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
9	10812	5	N	GREEN RIVER	YD05HE	1.024	23N	04E	24	Dissolved oxygen		Water
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09A080 (GREEN RIVER AT TUKWILA) shows 3 excursions beyond the criterion out of 61 samples collected between 1993 - 2001 measured on these dates: 94/07/20, 95/07/19, 96/07/24,												
King County unpublished data from station 3106 (Green RM 12.5) show excursions beyond the dissolved oxygen criterion in 1998, 1999, 2000, 2001 and 2002.												
King County unpublished data from station 311 (Green River RM 1.0) show excursions beyond the dissolved oxygen criterion in years 1998, 2000, 2001 and 2002.												
9	12708	5	N	GREEN RIVER	YD05HE	48.857	21N	06E	28	Dissolved oxygen		Water
King County unpublished data from station B319 (Green RM 41.5) show excursions beyond the dissolved oxygen criterion in 1998, 1999, and 2000.												

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
9	12569	5	Y	GREEN RIVER	YD05HE	1.024	23N	04E	24	Fecal Coliform		Water
Hallock (2004), Dept. of Ecology ambient station 09A080 shows 2 of 12 samples (16.7%) in year 2002 exceeded the percentile criterion.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09A080 (AT 405 AND SOUTHCENTER BLVD. ON INTERUR) shows a geometric mean of 37 does not exceed the criterion and that 10% of the samples does not exceed the percentile criterion from 10 samples collected during 2001.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09A080 (AT 405 AND SOUTHCENTER BLVD. ON INTERUR) shows a geometric mean of 27 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 2000.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09A080 (AT 405 AND SOUTHCENTER BLVD. ON INTERUR) shows a geometric mean of 38 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 13 samples collected during 1999.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09A080 (AT 405 AND SOUTHCENTER BLVD. ON INTERUR) shows a geometric mean of 44 does not exceed the criterion and that 20% of the samples exceeds the percentile criterion from 15 samples collected during 1998.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09A080 (AT 405 AND SOUTHCENTER BLVD. ON INTERUR) shows a geometric mean of 103 exceeds the criterion and that 17% of the samples exceeds the percentile criterion from 12 samples collected during 1997.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09A080 (AT 405 AND SOUTHCENTER BLVD. ON INTERUR) shows a geometric mean of 138 exceeds the criterion and that 20% of the samples exceeds the percentile criterion from 5 samples collected during 1996.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09A080 (AT 405 AND SOUTHCENTER BLVD. ON INTERUR) shows a geometric mean of 76 does not exceed the criterion and that 25% of the samples exceeds the percentile criterion from 12 samples collected during 1995.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09A080 (AT 405 AND SOUTHCENTER BLVD. ON INTERUR) shows a geometric mean of 120 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 12 samples collected during 1994.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09A080 (AT 405 AND SOUTHCENTER BLVD. ON INTERUR) shows a geometric mean of 74 does not exceed the criterion and that 25% of the samples exceeds the percentile criterion from 12 samples collected during 1993.												
King County unpublished data from station 311 (Green River RM 1.0) show standards were not met in samples collected during 1998, 2001 and 2002.												
King County unpublished data from station 3106 (Green RM 12.5) show standards were not met each year in samples collected between 1998 and 2002.												
9	13159	5	Y	GREEN RIVER	YD05HE	36.692	21N	05E	21	Fecal Coliform		Water
King County unpublished data from station A319 (Green RM 34.) show standards were not met in 1998 in samples collected between 1998 and 2002.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09A130 (Green R. above Big Soos Creek near Auburn) shows a geometric mean of 8 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 3 samples collected during 1993.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09A130 (Green R. above Big Soos Creek near Auburn) shows a geometric mean of 26 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 7 samples collected during 1994.												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
9	16703	5	Y	GREEN RIVER Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09A090 (Green R. at 212th St. near Kent) shows a geometric mean of 80 does not exceed the criterion and that 33% of the samples exceeds the percentile criterion from 3 samples collected during 1993.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09A090 (Green R. at 212th St. near Kent) shows a geometric mean of 137 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 9 samples collected during 1994.	YD05HE	10.496	22N	04E	11	Fecal Coliform		Water
9	6574	5	N	GREEN RIVER Dept. of Ecology unpublished data from core ambient monitoring station 09A190 (AT BRIDGE ON CUMBERLAND-PALMER RD.AT K) shows a 7-day mean of daily maximum values of 18.6 for mid-week 10 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09A190 (GREEN RIVER AT KANASKAT) shows 0 excursions beyond the criterion out of 63 samples collected between 1993 - 2001 Raforth, et al. 2002. show no excursions beyond the criterion from samples collected in 2000 and 2001.	YD05HE	71.886	21N	07E	10	Temperature		Water
9	7037	5	Y	GREEN RIVER King County unpublished data from station 3106 (Green RM 12.5) show temperature criterion was exceeded in all years between 1998 and 2002. King County unpublished data from station 311 (Green River RM 1.0) show temperature criterion was exceeded in all years between 1998 and 2000. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09A080 (GREEN RIVER AT TUKWILA) shows 5 excursions beyond the criterion out of 62 samples collected between 1993 - 2001 measured on these dates: 94/07/20, 94/08/17, 95/07/19, 95/08/23, 96/07/24,	YD05HE	1.024	23N	04E	24	Temperature		Water
9	7043	5	N	GREEN RIVER King County unpublished data from station B319 (Green RM 41.5) show temperature criterion was exceeded in all years between 1998 and 2002.	YD05HE	48.857	21N	06E	28	Temperature		Water
9	7478	5	Y	GREEN RIVER Caldwell, 1994. , multiple excursions beyond the criterion at RM 20 in 1992.	FK76HV	0	22N	04E	15	Temperature	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	Water
9	7479	5	Y	GREEN RIVER Caldwell, 1994. , multiple excursions beyond the criterion at RM 27 in 1992.	YD05HE	22.702	22N	05E	30	Temperature	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	Water
9	7480	5	Y	GREEN RIVER Caldwell, 1994. , multiple excursions beyond the criterion at RM 35 in 1992.	AJ33YB	0	21N	05E	22	Temperature	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks
9	7481	5	Y	GREEN RIVER Caldwell, 1994, multiple excursions beyond the criterion at RM 41.5 in 1992.	YD05HE	47.014	21N	06E	29	Temperature	Water	The daily maximum excursions are for one year only and do not meet the WQ Program Policy 1-11 (updated 9/02) for showing persistent temperature impairment. Listing will be placed in waters of concern category until further study and monitoring indicates the status of the water.
	7482	5	Y	GREEN RIVER Caldwell, 1994., 37 excursions beyond the criterion at RM 60.8 during 1992.	AB62OX	0.083	21N	08E	18	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
	7483	5	Y	GREEN RIVER Caldwell, 1994., 42 excursions beyond the criterion at RM 64.5 during 1992.	YD05HE	84.73	21N	08E	28	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
	7484	5	Y	HICKS (GARRETT) LAKE King County unpublished data from station A745 show a geometric mean of 60 cfu/100mL with 0% exceeding the percentile criterion during 1998. King County unpublished data from station A745 show a geometric mean of 260 cfu/100mL with 100% exceeding the percentile criterion during 1999. Completed Phase I Federal Clean Lakes Restoration Project in 1982- Problems Encountered: Blue-green algae, high turbidity, low dissolved oxygen, sediment phosphorus recycling, storm water, low transparency, fecal coliform bacteria.	322NQY	23N	04E	06		Fecal Coliform	Water	Completed Phase II Federal Clean Lakes Project in1987: Gendron and Pedersen, 1987. Control measures based on the phase I Study - phosphorus precipitation/inactivation, dilution/flushing, structural storm water controls, public education. Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
9	6340	5	Y	HICKS (GARRETT) LAKE Completed Phase I Federal Clean Lakes Restoration Project in 1982- Problems Encountered: Blue-green algae, high turbidity, low dissolved oxygen, sediment phosphorus recycling, storm water, low transparency, fecal coliform bacteria.	322NQY	23N	04E	06		Total Phosphorus	Water	Completed Phase II Federal Clean Lakes Project in1987: Gendron and Pedersen, 1987. Control measures based on the phase I Study - phosphorus precipitation/inactivation, dilution/flushing, structural storm water controls, public education.
	13815	5	N	HILL (MILL) CREEK King County unpublished data from station A315 shows the chronic criterion was exceeded on 6 December 1999 and 12 June 2000.	BI99NR	0	22N	04E	25	Copper	Water	

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium
				Basis						Remarks	
9	7488	5	Y	HILL (MILL) CREEK	BI99NR	4.18	21N	04E	01	Dissolved oxygen	Water
				King County, 1993, 3 excursions out of 7 samples (43%) beyond the criterion at station 304 (RM 2.2) during 1992 and 1993.					During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues to be impaired. (Braley, ECY/WQP, 2003)		
9	12707	5	Y	HILL (MILL) CREEK	BI99NR	0	22N	04E	25	Dissolved oxygen	Water
				King County unpublished data from station A315 (Hill Creek RM 0.3) show excursions beyond the dissolved oxygen criterion in 1998, 1999, 2000, 2001 and 2002.							
9	15811	5	Y	HILL (MILL) CREEK	BI99NR	0.445	22N	04E	26	Dissolved oxygen	Water
				King County, 1993, 10 excursions out of 10 samples (100%) beyond the criterion at station 302 (RM 1.0) during 1992 and 1993.					During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues to be impaired. (Braley, ECY/WQP, 2003)		
9	15814	5	Y	HILL (MILL) CREEK	BI99NR	2.128	22N	04E	35	Dissolved oxygen	Water
				King County, 1993, 9 excursions out of 10 samples (90%) beyond the criterion at station 303 (RM 1.4) during 1992 and 1993.					During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues to be impaired. (Braley, ECY/WQP, 2003)		
9	7485	5	Y	HILL (MILL) CREEK	BI99NR	0	22N	04E	25	Fecal Coliform	Water
				King County, 1993, 9 excursions beyond the upper criterion at station 201 (RM 0.2) during 1992 and 1993. King County unpublished data from station A315 (Hill Creek RM 0.3) show standards were not met each year in samples collected between 1998 and 2002. King County, 1993, 9 excursions beyond the upper criterion at station 201 (RM 0.2) during 1992 and 1993.					Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.		

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks
9	7486	5	Y	HILL (MILL) CREEK King County, 1993, 6 excursions beyond the upper criterion at station 304 (RM 2.2) during 1992 and 1993.	BI99NR	4.18	21N	04E	01	Fecal Coliform	Water	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
	15815	5	Y	HILL (MILL) CREEK King County, 1993, 12 excursions beyond the upper criterion at station 302 (RM 1.0) during 1992 and 1993.	BI99NR	0.445	22N	04E	26	Fecal Coliform	Water	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
	15817	5	Y	HILL (MILL) CREEK King County, 1993, 6 excursions beyond the upper criterion at station 305 (RM 7.5) during 1992 and 1993.	BI99NR	10.803	21N	04E	15	Fecal Coliform	Water	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
	15820	5	Y	HILL (MILL) CREEK King County, 1993, 12 excursions beyond the upper criterion at station 303 (RM 1.4) during 1992 and 1993.	BI99NR	2.128	22N	04E	35	Fecal Coliform	Water	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
	7041	5	Y	HILL (MILL) CREEK King County unpublished data from station A315 (Hill Creek RM 0.3) show temperature criterion was exceeded in 1998 and 2000. King County, 1993, 2 excursions out of 9 samples (22%) beyond the criterion at station 201 (RM 0.2) during 1992 and 1993.	BI99NR	0	22N	04E	25	Temperature	Water	
	13164	5	Y	JENKINS CREEK King County unpublished data from station D320 (Jenkins Creek RM 2.2) show standards were not met each year in samples collected in 2001.	NP20EM	1.454	22N	05E	36	Fecal Coliform	Water	Name was listed as SOOS CREEK SYSTEM on 1998 list. -
	15835	5	Y	JOE'S CREEK Seattle-Metro unpublished data from station A350 (at Dash Point Road) show the percentile criterion was not met in 1987 and 1988.	IN34MD	0.076	21N	03E	12	Fecal Coliform	Water	Changed from WASWIS GV05FS - 0.000 to IN34MD - 0.076 on 01/28/05. -kk
	10724	5	N	KILLARNEY (NORTH ARM) LAKE King County unpublished data from station A741 show a geometric mean of 300 cfu/100mL with 100% exceeding the percentile criterion during 1998. King County unpublished data from station A741 show a geometric mean of 24 cfu/100mL with 0% exceeding the percentile criterion during 1999.	668HKQ	21N	04E	22		Fecal Coliform	Water	
	15858	5	Y	LITTLE SOOS CREEK King County unpublished data from station U320 (Little Soos Creek RM 4.7) show excursions beyond the criterion in 1994, 1995, and 1996.	TI91MT	7.675	22N	05E	11	Dissolved oxygen	Water	Name was SOOS CREEK SYSTEM on 1998 list. -kk

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks
DO <												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
9	15849	5	Y	LITTLE SOOSETTE CREEK King County unpublished data from station V320 (Little Soosette Creek RM 1.6) show excursions beyond the geometric mean criterion in 1993, 1994 and 1997. Name was SOOS CREEK SYSTEM on 1998 list. -kk	RX82DV	0	21N	05E	03	Fecal Coliform	Water
9	15852	5	N	LONGFELLOW CREEK King County unpublished data from station J370 (Longfellow Creek RM 1.1 at Brandon Street SW Bridge) show excursions beyond the criterion in 1993, 1994, and 1995.	SM45HV	0.788	24N	03E	24	Dissolved oxygen	Water
9	7490	5	N	LONGFELLOW CREEK Hallock (2004), Dept. of Ecology ambient station 09J090 shows 3 of 4 samples (75%) in year 2003 exceeded the percentile criterion. U.S.Geological Survey data from NWIS database station 12113488 (Longfellow Cr @ SW Brandon St nr W. Seattle) shows a geometric mean of 620 exceeds the criterion and that 100% of the samples exceeds the percentile criterion from 1 samples collected during 1998. King County unpublished data from station K370 (Longfellow Creek RM 1.5 at SW Graham Street) shows 1 sample on 490 cfu/100mL on 28 December 1995. King County unpublished data from station J370 (Longfellow Creek RM 1.1 at Brandon Street SW Bridge) show the geometric mean criterion was exceeded each year between 1992 and 1996. Longfellow Creek Watershed Management Committee, 1992, exceeds the geometric mean criterion at station LFC24 (SW Findlay and 26th Ave SW) during 1990.	SM45HV	0.788	24N	03E	24	Fecal Coliform	Water
9	7491	5	Y	LONGFELLOW CREEK Longfellow Creek Watershed Management Committee, 1992. , exceeds the geometric mean criterion at station LFC3 (west of 28th Ave SW and North of Andover near the fish ladder) during 1990. King County unpublished data from station C370 (Longfellow Creek RM 0.5 at SW Yancy Street) show standards were not met each year in samples collected between 1998 and 2002.	SM45HV	0	24N	03E	13	Fecal Coliform	Water
9	42342	5	N	MASSEY CREEK Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines on 3/15/2004), station MA-1 shows 6 samples collected 11/23/1994, 7/9/1995, 10/20/1995, 4/22/1996, 4/23/1998, 10/27/1999, and 11/5/1999 exceeded the chronic criterion.	RE26YR	0	22N	04E	16	Copper	Water
9	42348	5	N	MASSEY CREEK Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines on 3/15/2004), station MA-3 shows 3 samples collected 11/7/1995, 3/31/1996, and 10/27/1999 exceeded the chronic criterion.	ER96XL	0.092	22N	04E	17	Copper	Water
9	42343	5	N	MASSEY CREEK Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines on 3/15/2004), station MA-2 shows the following exceedances of the criterion; 2 samples in 1995, 2 samples in 1996, 2 samples in 1997, 1 sample in 1998, and 1 sample in 1999.	ER96XL	1.372	22N	04E	16	Dissolved oxygen	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
9	42346	5	N	MASSEY CREEK	ER96XL	0.092	22N	04E	17	Dissolved oxygen		Water
Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines on 3/15/2004), station MA-3 shows the following exceedances of the criterion; 2 samples in 1995, 3 samples in 1996, 3 samples in 1997, 3 samples in 1998, and 2 samples in 1999.												
9	42353	5	N	MASSEY CREEK	RE26YR	0	22N	04E	16	Dissolved oxygen		Water
Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines on 3/15/2004), station MA-1 shows the following exceedances of the criterion; 2 samples in 1995, 2 samples in 1996, 3 samples in 1997, 3 samples in 1998, and 2 samples in 1999.												
9	42340	5	N	MASSEY CREEK	RE26YR	0	22N	04E	16	Fecal Coliform		Water
Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines on 3/15/2004), station MA-1 shows 2 of 3 samples (66.7%) exceeded the percentile criterion; in 1995 a geometric mean of 751.32 exceeded the criterion and 6 of 7 samples (85.7%) exceeded the percentile criterion; in 1996 a geometric mean of 257.08 exceeded the criterion and 6 of 8 samples (75.0%) exceeded the percentile criterion; in 1997 a geometric mean of 209.35 exceeded the criterion and 6 of 9 samples (66.7%) exceeded the percentile criterion; in 1998 a geometric mean of 670.57 exceeded the criterion and 3 of 5 samples (60.0%) exceeded the percentile criterion; in 1999 a geometric mean of 216.53 exceeded the criterion and 5 of 8 samples (62.5%) exceeded the percentile criterion.												
9	42344	5	N	MASSEY CREEK	ER96XL	1.372	22N	04E	16	Fecal Coliform		Water
Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines on 3/15/2004), station MA-2 shows 2 of 3 samples (66.7%) exceeded the percentile criterion; in 1995 a geometric mean of 1133.12 exceeded the criterion and 6 of 7 samples (85.7%) exceeded the percentile criterion; in 1996 a geometric mean of 561.99 exceeded the criterion and 7 of 8 samples (87.5%) exceeded the percentile criterion; in 1997 a geometric mean of 460.70 exceeded the criterion and 7 of 9 samples (77.8%) exceeded the percentile criterion; in 1998 a geometric mean of 981.00 exceeded the criterion and 5 of 5 samples (100.0%) exceeded the percentile criterion; in 1999 a geometric mean of 470.40 exceeded the criterion and 7 of 8 samples (87.5%) exceeded the percentile criterion.												
9	42347	5	N	MASSEY CREEK	ER96XL	0.092	22N	04E	17	Fecal Coliform		Water
Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines on 3/15/2004), station MA-3 shows 2 of 3 samples (66.7%) exceeded the percentile criterion; in 1995 a geometric mean of 1006.05 exceeded the criterion and 6 of 7 samples (85.7%) exceeded the percentile criterion; in 1996 a geometric mean of 945.20 exceeded the criterion and 8 of 8 samples (100.0%) exceeded the percentile criterion; in 1997 a geometric mean of 235.49 exceeded the criterion and 6 of 9 samples (66.7%) exceeded the percentile criterion; in 1998 a geometric mean of 702.39 exceeded the criterion and 4 of 5 samples (80.0%) exceeded the percentile criterion; in 1999 a geometric mean of 523.57 exceeded the criterion and 7 of 8 samples (87.5%) exceeded the percentile criterion.												
9	42341	5	N	MASSEY CREEK	RE26YR	0	22N	04E	16	Zinc		Water
Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines on 3/15/2004), station MA-1 shows 8 samples collected 11/23/1994, 7/9/1995, 4/22/1996, 9/3/1996, 4/23/1998, 1/13/1999, 10/27/1999, and 11/5/1999 exceeded the chronic criterion.												
9	42320	5	N	McSORLEY CREEK	DR54QH	0	22N	04E	20	Copper		Water
Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines on 3/15/2004), station MC-2 shows 5 samples collected 7/9/1995, 10/20/1995, 12/7/1995, 11/19/1997, and 10/27/1999 exceeded the chronic criterion.												

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Remarks	Medium
				Basis							
9	42315	5	N	McSORLEY CREEK	DR54QH	1.192	22N	04E	21	Dissolved oxygen	Water
Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines on 3/15/2004), station MC-1 shows the following exceedances of the criterion; 3 samples in 1994, 6 samples in 1995, 7 samples in 1996, 8 samples in 1997, 5 samples in 1998, and 7 samples in 1999.											
9	42318	5	N	McSORLEY CREEK	DR54QH	0	22N	04E	20	Dissolved oxygen	Water
Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines on 3/15/2004), station MC-2 shows the following exceedances of the criterion; 3 samples in 1995, 2 samples in 1996, 3 samples in 1997, 3 samples in 1998, and 2 samples in 1999.											
9	42316	5	N	McSORLEY CREEK	DR54QH	1.192	22N	04E	21	Fecal Coliform	Water
Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines on 3/15/2004), station MC-1 shows 2 of 3 samples (66.7%) exceeded the percentile criterion; in 1995 a geometric mean of 1134.64 exceeded the criterion and 5 of 6 samples (83.3%) exceeded the percentile criterion; in 1996 a geometric mean of 600.39 exceeded the criterion and 6 of 8 samples (75.0%) exceeded the percentile criterion; in 1997 a geometric mean of 328.06 exceeded the criterion and 7 of 8 samples (87.5%) exceeded the percentile criterion; in 1998 a geometric mean of 772.86 exceeded the criterion and 4 of 5 samples (80.0%) exceeded the percentile criterion; in 1999 a geometric mean of 254.32 exceeded the criterion and 6 of 8 samples (75.0%) exceeded the percentile criterion.											
9	42319	5	N	McSORLEY CREEK	DR54QH	0	22N	04E	20	Fecal Coliform	Water
Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines on 3/15/2004), station MC-2 shows 2 of 3 samples (66.7%) exceeded the percentile criterion; in 1995 a geometric mean of 964.38 exceeded the criterion and 6 of 7 samples (85.7%) exceeded the percentile criterion; in 1996 a geometric mean of 570.82 exceeded the criterion and 7 of 8 samples (87.5%) exceeded the percentile criterion; in 1997 a geometric mean of 194.75 exceeded the criterion and 6 of 9 samples (66.7%) exceeded the percentile criterion; in 1998 a geometric mean of 878.26 exceeded the criterion and 4 of 5 samples (80.0%) exceeded the percentile criterion; in 1999 a geometric mean of 440.14 exceeded the criterion and 6 of 8 samples (75.0%) exceeded the percentile criterion.											
Seven excursions beyond the criterion at Seattle-Metro station A280 (at Hwy 509 in Saltwater State Park) between 1/1/87 and 1/1/89.											
9	6316	5	Y	MERIDIAN LAKE	148NFC	22N	05E	27	Fecal Coliform	Water	
Department of Ecology lakes monitoring data shows 2 of 3 (66.6%) daily maximum samples (collected 7/21/2003,8/18/2003, 9/29/2003) exceeded the percentile criterion in 2003. Samples were collected near Lake Meridian Park recreation area and reflects water quality conditions in this area only.										Recent verification monitoring since 1998 indicates that this water segment is meeting fecal coliform standards. Previous listing was based on data from 1978.	
King County unpublished data from station M728 show a geometric mean of 7 cfu/100mL with 0% exceeding the percentile criterion during 2001.											
King County unpublished data from station A728 show a geometric mean of 20 cfu/100mL with 0% exceeding the percentile criterion during 1998.											
King County unpublished data from station A728 show a geometric mean of 11 cfu/100mL with 0% exceeding the percentile criterion during 1999.											
Completed Phase I State Clean Lakes Restoration Project in 1978 - Problems Encountered: Blue-green algae, high turbidity, storm water, fecal coliform bacteria.; Seattle-Metro, 1978.											

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium	
9	6356	5	Y	MERIDIAN LAKE Completed Phase I State Clean Lakes Restoration Project in 1978 - Problems Encountered: Blue-green algae, high turbidity, storm water, fecal coliform bacteria. Seattle-Metro, 1978. King County Volunteer Citizen Monitoring Program unpublished data show show summer mean epilimnetic total phosphorus did not exceed the water quality standards nutrient criterion from samples collected between 1998-2002. Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 20 ug/L from samples collected in 1981 which does not exceed the water quality standards nutrient criterion for the Puget Lowlands Ecoregion.	148NFC	22N	05E	27	Total Phosphorus		Water	
9	10828	5	N	MILL CREEK Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09E070 (Mill Creek @ Orillia) shows 11 excursions beyond the criterion out of 12 samples collected between 1993 - 2001 measured on these dates: 93/10/20, 93/11/17, 93/12/21, 94/01/19, 94/03/23, 94/04/20, 94/05/18, 94/06/22, 94/07/20, 94/08/17, 94/09/21, to During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues be impaired. (Braley, ECY/WQP, 2003)	TS53NN	0	23N	04E	36	Dissolved oxygen		Water
9	16704	5	N	MILL CREEK Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09E070 (Mill Cr. in Kent at Orillia) shows a geometric mean of 163 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 3 samples collected during 1993.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09E070 (Mill Cr. in Kent at Orillia) shows a geometric mean of 114 exceeds the criterion and that 44% of the samples exceeds the percentile criterion from 9 samples collected during 1994.	TS53NN	0	23N	04E	36	Fecal Coliform		Water
9	42542	5	N	MILLER CREEK Hallock (2004), Dept. of Ecology ambient station 09D070 shows 2 of 3 samples (66.7%) in year 2003 exceeded the percentile criterion.	WB35RQ	0.318	23N	04E	30	Fecal Coliform		Water
9	12616	5	N	MORTON LAKE King County unpublished data from station A719 show a geometric mean of 54 cfu/100mL with 0% exceeding the percentile criterion during 1999. King County unpublished data from station A719 show a geometric mean of 34 cfu/100mL with 0% exceeding the percentile criterion during 1998.	469UWA	21N	06E	07	Fecal Coliform		Water	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Medium	Remarks	
9	15825	5	Y	MULLEN SLOUGH King County, 1993, 7 excursions out of 10 samples (70%) beyond the upper criterion at station 408 (Mullen Slough RM 1.6) during 1992 and 1993.	BP27QP	0.538	22N	04E	26	Dissolved oxygen	Water	During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues to be impaired. (Braley, ECY/WQP, 2003)
9	15826	5	Y	MULLEN SLOUGH King County, 1993, 8 excursions out of 8 samples (100%) beyond the upper criterion at station 407 (Mullen Slough RM 0.5) during 1992 and 1993.	BP27QP	0	22N	04E	23	Dissolved oxygen	Water	During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues to be impaired. (Braley, ECY/WQP, 2003)
9	15827	5	Y	MULLEN SLOUGH King County, 1993, 9 excursions beyond the upper criterion at station 408 (Mullen Slough RM 1.6) during 1992 and 1993.	BP27QP	0.538	22N	04E	26	Fecal Coliform	Water	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
9	13765	5	N	NEWAUKUM CREEK King County unpublished data from station 322 shows e excursions beyond the chronic criterion in samples collected between 1998 and 2002.	JX80LS	1.466	21N	06E	28	Copper	Water	
9	13839	5	N	NEWAUKUM CREEK King County unpublished data from station D322 shows 20 excursions beyond the criterion from all samples collected between 2001 and 2002.	JX80LS	2.165	21N	06E	33	Copper	Water	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
to	9	12700	5	N	NEWAUKUM CREEK	JX80LS	2.165	21N	06E	33	Dissolved oxygen	Water
					King County unpublished data from station D322 (Newaukum Creek RM 2.1) show excursions beyond the dissolved oxygen criterion in 1998 and 2002.						During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues	
											be impaired. (Braley, ECY/WQP, 2003)	
	9	13157	5	Y	NEWAUKUM CREEK	JX80LS	1.466	21N	06E	28	Fecal Coliform	Water
					King County unpublished data from station 322 (Newaukum Creek RM 1.0) show standards were not met each year in samples collected between 1998 and 2002.							
	9	13165	5	Y	NEWAUKUM CREEK	JX80LS	2.165	21N	06E	33	Fecal Coliform	Water
					King County unpublished data from station D322 (Newaukum Creek RM 2.1) show standards were not met each year in samples collected between 1998 and 2002.						Was TRS 21N-06E-03 on 1998 list. -kk	
	9	13166	5	Y	NEWAUKUM CREEK	JX80LS	7.626	20N	06E	10	Fecal Coliform	Water
					King County unpublished data from station C322 (Newaukum Creek RM 4.9) show excursions beyond the geometric mean criterion in all years between 1994-1997.							
					King County unpublished data from station F322 (Newaukum Creek RM 5.2) show standards were not met each year in samples collected between 1998 and 2002.							
	9	13971	5	Y	NEWAUKUM CREEK	JX80LS	16.364	20N	06E	12	Fecal Coliform	Water
					King County unpublished data from station H322 (Newaukum Creek RM 9.4) show excursions beyond the geometric mean criterion in all years between 1994-1997.							
	9	13972	5	Y	NEWAUKUM CREEK	JX80LS	16.88	20N	07E	07	Fecal Coliform	Water
					King County unpublished data from station J322 (Newaukum Creek RM 9.7) show excursions beyond the geometric mean criterion in 1992, 1994, 1995, 1996, and 1997.							
					King County unpublished data from station N322 (Newaukum Creek RM 10.4, north of SE 416th Street) show excursions beyond the geometric mean criterion in 1994, 1995, and 1996.							
					King County unpublished data from station P322 (Newaukum Creek RM 10.8) show excursions beyond the geometric mean criterion in 1994 and 1995.							

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium	Remarks
				Basis							
9	13981	5	Y	NEWAUKUM CREEK	LT44JU	0	20N	07E	07	Fecal Coliform	Water
				King County unpublished data from station L322 (Newaukum Creek RM 10.1 at Stonequarry Creek confluence) show excursions beyond the geometric mean criterion in 1992 and 1994. King County unpublished data from station M322 (Newaukum Creek RM 10.1, north of SE 416th Street) show excursions beyond the geometric mean criterion in 1994, 1995, and 1996.							
9	15846	5	Y	NEWAUKUM CREEK	RR29EG	0	20N	07E	07	Fecal Coliform	Water
				King County unpublished data from station K322 (Newaukum Creek RM 10.0) show excursions beyond the geometric mean criterion in 1992, 1994, 1995, and 1996.							
9	36166	5	N	PUGET SOUND (CENTRAL)	390KRD	47122F4J3	47.595	122.435		Dioxins, Total	Tissue
gird cell				Transboundary Georgia Basin-Puget Sound Working Group on Environmental Indicators. 2002. show high concentration of dioxins in blubber of harbour seal pups							Location identified in the report is not for a specific
				and summarizes literature showing links to adverse health effects.							segment, but for the full extent of Puget Sound.
				Ross, et al. 2000 high concentrations in killer whales (Orcinus orca) blubber show toxicity equivalents exceeding levels suggested for marine mammals.							
				Grant and Ross, 2002. doucument human pollution sources in Puget Sound.							
9	36167	5	N	PUGET SOUND (CENTRAL)	390KRD	47122F4J3	47.595	122.435		Furans, Total	Tissue
gird cell				Transboundary Georgia Basin-Puget Sound Working Group on Environmental Indicators. 2002. show high concentration of furans in blubber of harbour seal pups							Location identified in the report is not for a specific
				and summarizes literature showing links to adverse health effects. Grant and Ross, 2002. document human pollution sources in Puget Sound.							segment, but for the full extent of Puget Sound.
9	36168	5	N	PUGET SOUND (CENTRAL)	390KRD	47122F4J3	47.595	122.435		Total PCBs	Tissue
				Transboundary Georgia Basin-Puget Sound Working Group on Environmental Indicators. 2002. show high concentration of PCBs in blubber of harbour seal pups and summarizes literature showing links to adverse health effects. Calambokidis, et at. show concentrations of PCBs are causing immunotoxicity in harbor seals. Grant and Ross, 2002. document human pollution sources in Puget Sound.							Location identified in the report is not for a specific gird cell segment, but for the full extent of Puget Sound.
9	6654	5	Y	PUGET SOUND (S-CENTRAL) AND EAST PASSAGE	390KRD	47122F3C9	47.525	122.395		Fecal Coliform	Water
				Kendra, 1989. 8 of 19 samples taken between 6/15/1988 and 8/29/1988 exceeded the criterion.							Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.
9	15804	5	Y	PUGET SOUND (S-CENTRAL) AND EAST PASSAGE	390KRD	47122E3G6	47.465	122.365		Fecal Coliform	Water
				Seattle-Metro unpublished data from station MTEC01 exceeded the geometric mean criterion in 1989 and 1990.							
9	15805	5	Y	PUGET SOUND (S-CENTRAL) AND EAST PASSAGE	390KRD	47122F4H1	47.575	122.415		Fecal Coliform	Water
				Seattle-Metro unpublished data from station LSKR01exceeded the geometric mean criterion in 1987, 1989, 1990 and 1991.							

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium	
9	15806	5	Y	PUGET SOUND (S-CENTRAL) AND EAST PASSAGE Seattle-Metro unpublished data from station LSKS01 exceeded the geometric mean criterion in 1987, 1989, and 1990.	390KRD	47122F4G0	47.565	122.405	Fecal Coliform		Water	
9	15807	5	Y	PUGET SOUND (S-CENTRAL) AND EAST PASSAGE Seattle-Metro unpublished data from station LSRV01exceeded the percentile criterion in 1987, 1989, and 1990.	390KRD	47122F3F9	47.555	122.395	Fecal Coliform		Water	
9	15808	5	Y	PUGET SOUND (S-CENTRAL) AND EAST PASSAGE Seattle-Metro unpublished data from station LSTU01 exceeded the geometric mean criterion in 1991.	390KRD	47122F3E9	47.545	122.395	Fecal Coliform		Water	
9	15809	5	Y	PUGET SOUND (S-CENTRAL) AND EAST PASSAGE Seattle-Metro unpublished data from station LSVW01 exceeded the geometric mean criterion in 1987, 1988, 1989, 1990 and 1991. Seattle-Metro unpublished data from station LSVW03 exceeded the geometric mean criterion in 1987, 1989, and 1990.	390KRD	47122F3D9	47.535	122.395	Fecal Coliform		Water	
9	42493	5	N	PUGET SOUND (S-CENTRAL) AND EAST PASSAGE King County data (submitted by Kimberle Stark on 4/15/04) station LSKS01 (Alki) shows a geometric mean of 42.23 exceeded the criterion in year 2003; 3 of 3 samples (100.0%) exceeded the percentile criterion in year 2002, and 4 of 12 samples (66.6%) exceeded the percentile criterion in year 2003; and 6 of 12 samples (50.0%) exceeded the percentile criterion in year 2003.	390KRD	47122F4H1	47.575	122.415	Fecal Coliform		Water	
9	36169	5	N	PUGET SOUND (SOUTH) Simms, et al. 2000. show high concentration of PCBs in blubber of harbour seal pups significantly correlated to lower circulatory retinol levels occurring at the time when vitamin A is required for growth and development.	390KRD	47122F4J3	47.595	122.435	Total PCBs	Location identified in the report is not for a specific gird cell segment, but for the southern end of Puget Sound.	Tissue	
9	15883	5	N	RAVENSDALE CREEK King County unpublished data from station R320 (Covington/Ravensdale Creek headwaters near silica mine at Ravensdale) show excursions beyond the criterion in 1994, 1995, and 1996.	XR98HN	4.688	22N	06E	36	Temperature		Water
9	13965	5	Y	REDONDO CREEK STORET (legacy) unpublished data regarding Seattle-Metro station A290 (near Mouth) show the geometric mean criterion was exceeded in 1988.	UNK000	0	00U	000U	00	Fecal Coliform	This listing is for a stream that does not appear in WASWIS. Given WASWIS of UNK000. TRS=22N-04E-32. Changed 01/31/05. -kk	Water
9	12618	5	N	SAWYER LAKE King County unpublished data from station A718 show a geometric mean of 76 cfu/100mL with 0% exceeding the percentile criterion during 1999. King County unpublished data from station A718 show a geometric mean of 5 cfu/100mL with 0% exceeding the percentile criterion during 1998.	206OTE	21N	06E	04		Fecal Coliform		Water

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WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium	Remarks		
				Basis									
EPA determined	9	8182	5	N	SAWYER LAKE	206	0TE	21N	06E	04	Total Phosphorus	Water	
					King County Volunteer Citizen Monitoring Program unpublished data show show summer mean epilimnetic total phosphorus did not exceed the water quality standards nutrient criterion from samples collected between 1998-2002.						TMDL based on the building of an interceptor for the City of Black Diamond wastewater discharge submitted 3/9/92.		
					Carrol and Pelletier, 1991.						approved the TMDL on 2/12/93. Onwumere (2002)		
					Hart-Crowser, 1990.						that the goals set by the TMDL were not being achieved.		
					Pelletier and Joy, 1989.								
					Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 21 ug/L derived from the reported Carlson's Trophic State Index value which exceeds the water quality standards nutrient criterion for the Puget Lowlands Ecoregion.								
	9	12619	5	N	SHADOW LAKE	444	SBN	22N	06E	07	Fecal Coliform	Water	
					King County unpublished data from station A714 show a geometric mean of 70 cfu/100mL with 0% exceeding the percentile criterion during 1998. King County unpublished data from station A714 show a geometric mean of 26 cfu/100mL with 0% exceeding the percentile criterion during 1999.								
	9	6873	5	Y	SMAY CREEK	AX88	SM	0.026	20N	09E	12	Temperature	Water
					Data collected by the Muckleshoot Indian Tribe Tribal TFW (submitted by Karne Walter on 14 Feb 94) staff show multiple excursions beyond the criterion at RM 0.4 during 1992.						Continuous temperature measurements were taken, but data were previously submitted in software that does not provide for analysis of the data. The water segment is listed as Category 5 based on the 1998 assessment.		
	9	15840	5	N	SOOSETTE CREEK	HH34	YJ	0	21N	05E	10	Fecal Coliform	Water
					King County unpublished data from station B320 (Soosette Creek at the mouth) show excursions beyond the geometric mean criterion in 1995 and 1998						Previously listed as SOOS CREEK SYSTEM		
	9	12705	5	Y	SPRINGBROOK (MILL) CREEK	BY98	ES	1.444	23N	04E	24	Dissolved oxygen	Water
					King County unpublished data from station 317 (Springbrook Creek RM 1.0) show excursions beyond the dissolved oxygen criterion in years 1998, 1999 2000, 2001 and 2002.								
	9	13155	5	Y	SPRINGBROOK (MILL) CREEK	BY98	ES	1.444	23N	04E	24	Fecal Coliform	Water
					King County unpublished data from station 317 (Springbrook Creek RM 1.0) show standards were not met each year in samples collected between 1998 and 2002.								
	9	10716	5	N	STAR LAKE	989	FSG	22N	04E	34	Fecal Coliform	Water	
					King County unpublished data from station A729 show a geometric mean of 200 cfu/100mL with 100% exceeding the percentile criterion during 1998. King County unpublished data from station A729 show a geometric mean of 6 cfu/100mL with 0% exceeding the percentile criterion during 1999.								

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information	Parameter	Remarks	Medium
9	10717	5	N	STEEL LAKE	117WKD 21N 04E 09	Fecal Coliform		Water
<p>Department of Ecology lakes monitoring data shows 0 of 3 daily maximum samples (collected 7/21/2003,8/18/2003, 9/29/2003) exceeded the percentile criterion in 2003. Samples were collected near Steele Lake Park recreation area and reflects water quality conditions in this area only.</p> <p>King County unpublished data from station A730 show a geometric mean of 134 cfu/100mL with 50% exceeding the percentile criterion during 1998.</p> <p>King County unpublished data from station A730 show a geometric mean of 260 cfu/100mL with 100% exceeding the percentile criterion during 1999.</p>								
9	10726	5	N	TROUT LAKE	744JKJ 00U XXU 00	Fecal Coliform		Water
<p>King County unpublished data from station A752 show a geometric mean of 260 cfu/100mL with 100% exceeding the percentile criterion during 1998. King County unpublished data from station A752 show a geometric mean of 21 cfu/100mL with 0% exceeding the percentile criterion during 1999.</p>								
9	15884	5	Y	UNNAMED CREEK WDF# 09.0046	ZR70IJ 0.944 22N 04E 34	Dissolved oxygen		Water
<p>King County, 1993, 3 excursions out of 10 samples (30%) beyond the upper criterion at station 409 (Unnamed Creek RM 2.1 - WDF# 09.0046) during 1992 and 1993.</p> <p>During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues to be impaired. (Braley, ECY/WQP, 2003)</p>								
9	15885	5	Y	UNNAMED CREEK WDF# 09.0046	ZR70IJ 0.944 22N 04E 34	Fecal Coliform		Water
<p>King County, 1993, 6 excursions beyond the upper criterion at station 409 (Unnamed Creek RM 2.1 - WDF# 09.0046) during 1992 and 1993.</p> <p>Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.</p>								
9	10719	5	N	WILDERNESS LAKE	718FYY 22N 06E 27	Fecal Coliform		Water
<p>Department of Ecology lakes monitoring data shows 2 of 3 (66.6%) daily maximum samples (collected 7/21/2003,8/18/2003, 9/29/2003) exceeded the percentile criterion in 2003. Samples were collected near Lake Wilderness Park recreation area and reflects water quality conditions in this area only.</p> <p>King County unpublished data from station O717SB show a geometric mean of 8 cfu/100mL with 12% exceeding the percentile criterion during 2002.</p> <p>King County unpublished data from station O717SB show a geometric mean of 24 cfu/100mL with 21% exceeding the percentile criterion during 2001.</p> <p>King County unpublished data from station A717 show a geometric mean of 51 cfu/100mL with 0% exceeding the percentile criterion during 1999.</p> <p>King County unpublished data from station A717 show a geometric mean of 77 cfu/100mL with 39% exceeding the percentile criterion during 1998.</p> <p>TRS=22N-06E-27. Consolidated with Listing ID 10720. -kk</p>								

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium	
10	16706	5	N	BOISE CREEK Hallock (2004), Dept. of Ecology ambient station 10D070 shows 1 of 1 sample (100%) in year 2001 exceeded the percentile criterion. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10D070 (Boise Cr @ Buckley) shows a geometric mean of 68 does not exceed the criterion and that 0% of the samples do not exceed the percentile criterion from 3 samples collected during 2000. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10D070 (Boise Cr @ Buckley) shows a geometric mean of 108 exceeds the criterion and that 44% of the samples exceeds the percentile criterion from 9 samples collected during 2001. Erickson (1999) station BOI00.1 (Boise CreekBOI00.1) shows the geometric mean of 283.93 exceeds the criterion and that 50% of the samples exceeds the percentile criterion from 6 samples collected during 1996.	CT48DX	0	20N	06E	34	Fecal Coliform		Water
10	35337	5	N	BOISE CREEK Puyallup Tribe of Indians unpublished data at station BOI-1 (submitted by Char Naylor on 3 March 2003) show 10 excursions beyond the criterion from 49 measurements collected from 1999-2001.	CT48DX	4.351	20N	07E	30	pH	Low pH	Water
10	7496	5	Y	BOISE CREEK Data collected by the Muckleshoot Indian Tribal TFW staff show multiple excursions beyond the criterion (RM 7.0) during 1992.	CZ10IN	0	20N	07E	27	Temperature	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	Water
10	7497	5	Y	CLARKS CREEK Ebbert, et al. 1987. , 1 excursion beyond the criterion (at inflow to Hatchery near Puyallup) on 2/84. Ebbert, et al. 1987., 3 excursions beyond the criterion at station 12102075 (at Indian Reservation Boundary at Puyallup) in 8/83, 11/83, and 2/84; KCM (1996) shows the geometric mean criterion is exceeded in 1996 with 2 samples (data summary submitted 2/29/96 by the Puyallup Tribe). Pierce County Conservation District data (submitted by Timothy Barbee on 6/26/97) show 2 excursions beyond the criterion out of 3 samples at station CC7 (mouth) in 1996. Pierce County Conservation District data (submitted by Timothy Barbee on 6/26/97) show 2 excursions beyond the criterion out of 3 samples at station CC5 in 1996.	AD37IU	2.428	20N	04E	30	Fecal Coliform	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	Water
10	7499	5	Y	CLARKS CREEK Pierce County Conservation District data (submitted by Timothy Barbee on 6/26/97) show 2 excursions beyond the criterion out of 3 samples at station CC1 in 1996.	AD37IU	5.396	20N	04E	32	pH	Low pH	Water
10	7501	5	Y	CLEAR CREEK Ebbert, et al. 1987. , 2 excursions beyond the criterion (at 31st Avenue) on 11/83 and 2/84.	UP04FV	0	20N	03E	11	Fecal Coliform	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information			Parameter	Medium	Remarks
10	20319	5	N	CLEARWATER RIVER	YH06OQ	0	19N 08E 07	Temperature	Water	Department of Ecology unpublished data (submitted by Joanne Schuett-Hames, SWRO, on 13 December 2002) collected from WDFW Segment Number 10.008 at River Mile 0.4 show the 7-day mean of daily maximum temperature of 16.11 from measurements collected 7/4 - 9/4, 1996. Puyallup Indian Tribe unpublished data (submitted by Joanne Schuett-Hames, SWRO, on 13 December 2002) collected from WDFW Segment Number 10.008 at River Mile 0.5 show the 7-day mean of daily maximum temperature of 15.29 with the highest daily maximum of 16.46 from measurements collected 7/16 - 9/30, 1995.
10	20320	5	N	CLEARWATER RIVER	YH06OQ	1.776	19N 08E 17	Temperature	Water	Muckleshoot Indian Tribe unpublished data (submitted by Joanne Schuett-Hames, SWRO, on 13 December 2002) collected from WDFW Segment Number 10.008 at River Mile 1.2 show the 7-day mean of daily maximum temperature of 17.04 from measurements collected 7/18 -9/5, 1992.
the										White River Spring Chinook Habitat Guidance: A Water Quality Management Plan (1997) meet the requirements for excluding these segments from
										Data collected by the Muckleshoot Indian Tribal TFW staff (submitted by Karen Walter on 14 Feb 94) show multiple excursions beyond the criterion (RM 1.2) during 1992.
10	20321	5	N	CLEARWATER RIVER	YH06OQ	3.831	19N 08E 16	Temperature	Water	list under 40 CFR 103.7(b)(1)(iii). (taken from 1998 list database)
										Department of Ecology unpublished data (submitted by Joanne Schuett-Hames, SWRO, on 13 December 2002) collected from WDFW Segment Number 10.008 at River Mile 2.1 show the 7-day mean of daily maximum temperature of 17.64 from measurements collected 7/4 - 9/4, 1996. Puyallup Indian Tribe unpublished data (submitted by Joanne Schuett-Hames, SWRO, on 13 December 2002) collected from WDFW Segment Number 10.008 at River Mile 2.3 show the 7-day mean of daily maximum temperature of 16.5 from measurements collected 7/7 - 9/30, 1995.
10	20322	5	N	CLEARWATER RIVER	YH06OQ	4.423	19N 08E 21	Temperature	Water	Department of Ecology unpublished data (submitted by Joanne Schuett-Hames, SWRO, on 13 December 2002) collected from WDFW Segment Number 10.008 at River Mile 2.7 show the 7-day mean of daily maximum temperature of 17.89 from measurements collected 7/4 - 9/4, 1996. Puyallup Indian Tribe unpublished data (submitted by Joanne Schuett-Hames, SWRO, on 13 December 2002) collected from WDFW Segment Number 10.008 at River Mile 3.15 show the 7-day mean of daily maximum temperature of 14.83 with the highest daily maximum of 16.27 from measurements collected 7/16 - 10/22, 1999.
10	20323	5	N	CLEARWATER RIVER	YH06OQ	7.007	19N 08E 27	Temperature	Water	Department of Ecology unpublished data (submitted by Joanne Schuett-Hames, SWRO, on 13 December 2002) collected from WDFW Segment Number 10.008 at River Mile 4.3 show the 7-day mean of daily maximum temperature of 18.1 from measurements collected 7/4 - 9/11, 1996.
10	20324	5	N	CLEARWATER RIVER	YH06OQ	8.328	19N 08E 28	Temperature	Water	Puyallup Indian Tribe unpublished data (submitted by Joanne Schuett-Hames, SWRO, on 13 December 2002) collected from WDFW Segment Number 10.008 at River Mile 3.8 show the 7-day mean of daily maximum temperature of 17.04 from measurements collected 7/6 - 9/30, 1995. Puyallup Indian Tribe unpublished data (submitted by Joanne Schuett-Hames, SWRO, on 13 December 2002) collected from WDFW Segment Number 10.008 at River Mile 3.85 show the 7-day mean of daily maximum temperature of 16.5 from measurements collected 7/4 - 9/20, 2001.

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Remarks	Medium
				Basis							
10	20325	5	N	CLEARWATER RIVER	YH06OQ	8.687	19N	08E	34	Temperature	Water
Department of Ecology unpublished data (submitted by Joanne Schuett-Hames, SWRO, on 13 December 2002) collected from WDFW Segment Number 10.008 at River Mile 4.9 show the 7-day mean of daily maximum temperature of 16.77 from measurements collected 7/4 - 9/11, 1996. Puyallup Indian Tribe unpublished data (submitted by Joanne Schuett-Hames, SWRO, on 13 December 2002) collected from WDFW Segment Number 10.008 at River Mile 5.7 show the 7-day mean of daily maximum temperature of 13.85 with the highest daily maximum of 15.08 from measurements collected 7/16 - 9/30, 1995.											
10	10175	5	N	COMMENCEMENT BAY	390KRD	47122C4J4	47.295	122.445	Dissolved oxygen	Water	
Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station CMB003 (Commencement Bay - Browns Point) shows 34 excursions beyond the criterions out of 96 samples collected between 1993-2000										This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo, 4/2005)	
10	8669	5	Y	COMMENCEMENT BAY (INNER)	GK89AF	0	21N	03E	99	Dieldrin	Tissue
Johnson and Davis, 1996. , excursion beyond the National Toxics Rule criterion calculated for tissue in mussel samples collected in 1995 from Hylebos Waterway at the mouth of Hylebos Creek.											
10	8671	5	N	COMMENCEMENT BAY (INNER)	GK89AF	0	21N	03E	99	Total PCBs	Tissue
Johnson and Davis, 1996. , excursion beyond the National Toxics Rule criterion calculated for tissue in mussel samples collected in 1995 from Hylebos Waterway at the mouth of Hylebos Creek.											
10	35738	5	N	COMMENCEMENT BAY (INNER)	390KRD	47122C4F3	47.255	122.435	Total PCBs	Tissue	
Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of more than 5 muscle tissue tissue tissue tissue tissue tissue tissue samples collected in 1991-1997 from English sole (Pleuronectes vetulus) samples from station COMMBAY. Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of more than 5 muscle tissue tissue tissue tissue tissue tissue samples collected in 1997-1999 from English sole (Pleuronectes vetulus) samples from station COMMBAY. Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in single muscle tissue tissue tissue tissue tissue tissue tissue samples collected in 1998-1999 from brown rockfish (Sebastes auriculatus) samples from station COMMBAY.											
10	35655	5	N	COMMENCEMENT BAY (OUTER)	390KRD	47122C4I2	47.285	122.425	Bis(2-ethylhexyl)phthalate	Tissue	
Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of more than 5 muscle tissue tissue tissue tissue tissue tissue samples collected in 1993 from English sole (Pleuronectes vetulus) samples from station OUTRCOMM.											

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
10	15710	5	Y	COMMENCEMENT BAY (OUTER)	390KRD	47122C4J4	47.295	122.445	Fecal Coliform		Water	
Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station CMB003 (Commencement Bay - Browns Point) shows a geometric mean of 11 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 2 samples collected during 1991.Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station CMB003 (Commencement Bay - Browns Point) shows a geometric mean of 5 does not exceed the criterion and that 11% of the samples does not exceed the percentile criterion from 9 samples collected during 1992, with only 1 sample that exceeds the percentile criterion..Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station CMB003 (Commencement Bay - Browns Point) shows a geometric mean of 5 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 6 samples collected during 1993.Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station CMB003 (Commencement Bay - Browns Point) shows a geometric mean of 8 does not exceed the criterion and that 25% of the samples exceeds the percentile criterion from 8 samples collected during 1994.Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station CMB003 (Commencement Bay - Browns Point) shows a geometric mean of 9 does not exceed the criterion and that 18% of the samples exceeds the percentile criterion from 11 samples collected during 1995.Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station CMB003 (Commencement Bay - Browns Point) shows a geometric mean of 23 exceeds the criterion and that 57% of the samples exceeds the percentile criterion from 7 samples collected during 1996.Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station CMB003 (Commencement Bay - Browns Point) shows a geometric mean of 10 does not exceed the criterion and that 22% of the samples exceeds the percentile criterion from 9 samples collected during 1997.Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station CMB003 (Commencement Bay - Browns Point) shows a geometric mean of 6 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 7 samples collected during 1998.Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station CMB003 (Commencement Bay - Browns Point) shows a geometric mean of 16 exceeds the criterion and that 12% of the samples exceeds the percentile criterion from 8 samples collected during 1999.												
10	35739	5	N	COMMENCEMENT BAY (OUTER)	390KRD	47122C4I2	47.285	122.425	Total PCBs		Tissue	
Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of more than 5 muscle tissue tissue tissue tissue tissue samples collected in 1993 and 1995 from English sole (Pleuronectes vetulus) samples from station OUTRCOMM.												
10	35740	5	N	DALCO PASSAGE/POVERTY BAY	390KRD	47122D3D7	47.335	122.375	Total PCBs		Tissue	
Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of more than 5 muscle tissue tissue tissue tissue tissue samples collected in 1993 and 1995 from English sole (Pleuronectes vetulus) samples from station DASHPNT.											Water Body Name changed 03/03/04 from Commencement Bay (Inner) to Dalco Passage/Poverty Bay per comment 0044.	
10	35741	5	N	DALCO PASSAGE/POVERTY BAY	390KRD	47122D3E8	47.345	122.385	Total PCBs		Tissue	
Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of more than 5 muscle tissue tissue tissue tissue tissue samples collected in 1996 from quillback rockfish (Sebastes maliger) samples from station LAKOTA.												
10	35743	5	N	DALCO PASSAGE/POVERTY BAY	390KRD	47122D4A5	47.305	122.455	Total PCBs		Tissue	
Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of more than 5 muscle tissue tissue tissue tissue tissue samples collected in 1992-1995 from quillback rockfish (Sebastes maliger) samples from station BNSPNT.												
10	8678	5	Y	FIFE DITCH	ZV38XK	0.261	20N	03E	01	Ammonia-N	Water	
Ebbert, et al. 1987. , 2 excursions beyond the criterion (at 54th Street E.) on 8/12/83 and 4/27/84.												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium
										Remarks	
10	7503	5	Y	FIFE DITCH	ZV38XK	0.261	20N	03E	01	Dissolved oxygen	Water
				Ebbert, et al. 1987. , 4 excursions beyond the criterion (at 54th Street E.) on 8/12/83, 11/4/83, 2/20/84, and 4/27/84.						During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues	
										be impaired. (Braley, ECY/WQP, 2003)	
10	7504	5	Y	FIFE DITCH	ZV38XK	0.261	20N	03E	01	Fecal Coliform	Water
				Ebbert, et al. 1987. , 3 excursions beyond the criterion (at 54th Street E.) in 8/83, 11/83, and 2/84.						Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	
10	7505	5	Y	FOX CREEK	PA88SG	0.84	18N	05E	28	Temperature	Water
				Data collected by the Muckleshoot Indian Tribe (submitted by Chantal Stevens on 10/31/97) show 26 excursions beyond the criterion out of 60 samples (43%) during 8/97 and 9/97 at Fox Creek RM 0.9.						Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	
10	15888	5	Y	HYLEBOS CREEK	RL09XF	7.574	20N	04E	05	Fecal Coliform	Water
				Seattle-Metro unpublished data from station B920 (at Milton) show thgeometric mean criterion was exceeded in 1987.							
10	15887	5	Y	HYLEBOS CREEK, W.F.	BT61HR	0.747	21N	04E	32	Fecal Coliform	Water
				Seattle-Metro unpublished data from station D920 (at South 373rd Street) show the geometric mean criterion was exceeded in 1987.							
10	36173	5	N	HYLEBOS WATERWAY	RL09XF	0	21N	03E	99	Chlorinated Pesticides	Tissue
				Collier, et al. 1998, show exposure to chlorinated pesticides are asscoaietd with several types of reproductive injury in the English sole.						Assigned new WASWIS ID. Was RL09XF. -kk	
10	36174	5	N	HYLEBOS WATERWAY	RL09XF	0	21N	03E	99	DDT	Tissue
				Collier, et al. 1998, show exposure to DDT are clearly linked to elevated levels of DMA adducts and cytochrome P4501A (CYP1A) activities in liver of English sole and rock sole.						Assigned new WASWIS ID. Was RL09XF. -kk	
10	36176	5	N	HYLEBOS WATERWAY	RL09XF	0	21N	03E	99	PAHs	Tissue
				Collier, et al. 1998, show exposure to PAHs are clearly linked to elevated levels of DNA adducts and cytochrome P4501A (CYP1A) activities in liver of English sole and rock sole, as well as several types of reproductive injury.						Assigned new WASWIS ID. Was RL09XF. -kk	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
10	36178	5	N	HYLEBOS WATERWAY Collier, et al. 1998, show exposure to PCBs are clearly linked to elevated levels of DMA adducts and cytochrome P4501A (CYP1A) activities in liver of English sole and rock sole.	RL09XF	0	21N	03E	99	Total PCBs	Tissue
10	7506	5	Y	KINGS CREEK Data collected by the Muckleshoot Indian Tribe (submitted by Chantal Stevens on 10/31/97) show 8 excursions beyond the criterion out of 60 samples (15%) during 8/97 and 9/97 at Kings Creek RM 1.2.	XK66ZF	0.72	18N	05E	34	Temperature	Water Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
10	20338	5	N	LYLE CREEK Department of Ecology unpublished data (submitted by Joanne Schuett-Hames, SWRO, on 13 December 2002) collected from WDFW Segment Number 10.0088 at River Mile 0.1 show the 7-day mean of daily maximum temperature of 16.03 from measurements collected 7/4 - 9/11, 1996. Muckleshoot Indian Tribe unpublished data (submitted by Joanne Schuett-Hames, SWRO, on 13 December 2002) collected from WDFW Segment Number 10.0088 at River Mile 0.1 show the 7-day mean of daily maximum temperature of 12.33 with the highest daily maximum of 13 from measurements collected 8/10 - 10/27, 1995.	XX02MC	0	19N	08E	27	Temperature	Water
10	7508	5	Y	MEEKER DITCH Pierce County Conservation District data (submitted by Timothy Barbee on 6/26/97) show numerous high fecal coliform values with 5 samples in 1996 at multiple stations on this segment.	WC64LH	1.304	20N	04E	33	Fecal Coliform	Water Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
10	7511	5	Y	MEEKER DITCH Pierce County Conservation District data (submitted by Timothy Barbee on 6/26/97) show 5 excursions beyond the criterion out of 5 sampling dates in 1996 at multiple stations on this segment.	WC64LH	1.304	20N	04E	33	pH	Water Low pH
10	20339	5	N	MILKY CREEK Department of Ecology unpublished data (submitted by Joanne Schuett-Hames, SWRO, on 13 December 2002) collected from WDFW Segment Number 10.0089 at River Mile <0.1 show the 7-day mean of daily maximum temperature of 20.95 from measurements collected 7/4 - 9/11, 1996.	IG62SF	0	19N	08E	34	Temperature	Water
10	7498	5	Y	PUYALLUP RIVER Hallock (2004), Dept. of Ecology ambient station 10A050 shows 1 of 4 samples (25%) in year 2001 exceeded the percentile criterion. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10A050 (Puyallup R @ Puyallup (USGS)) shows a geometric mean of 42 does not exceed the criterion and that 10% of the samples does not exceed the percentile criterion from 10 samples collected during 2001. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10A050 (Puyallup R @ Puyallup (USGS)) shows a geometric mean of 115 exceeds the criterion and that 0% of the samples does not exceed the percentile criterion from 3 samples collected during 2000. Ebbert, et al. 1987., 3 excursions beyond the criterion at station 12102100 (At River Road) in 8/83, 11/83, and 2/84;	PX29AG	7.735	20N	04E	18	Fecal Coliform	Water Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
10	16712	5	Y	PUYALLUP RIVER	PX29AG	13.147	20N	04E	22	Fecal Coliform		Water
<p>Hallock (2004), Dept. of Ecology ambient station 10A070 shows 1 of 4 samples (25%) in year 2001 exceeded the percentile criterion and 1 of 12 samples (8.3%) in year 2003 exceeded the percentile criterion.</p> <p>Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10A070 (AT BRIDGE ON MERIDIAN JUST N. OF PUYALLU) shows a geometric mean of 35 does not exceed the criterion and that 10% of the samples does not exceed the percentile criterion from 10 samples collected during 2001.</p> <p>Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10A070 (AT BRIDGE ON MERIDIAN JUST N. OF PUYALLU) shows a geometric mean of 50 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 2000.</p> <p>Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10A070 (AT BRIDGE ON MERIDIAN JUST N. OF PUYALLU) shows a geometric mean of 35 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 13 samples collected during 1999.</p> <p>Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10A070 (AT BRIDGE ON MERIDIAN JUST N. OF PUYALLU) shows a geometric mean of 60 does not exceed the criterion and that 17% of the samples exceeds the percentile criterion from 12 samples collected during 1998.</p> <p>Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10A070 (AT BRIDGE ON MERIDIAN JUST N. OF PUYALLU) shows a geometric mean of 171 exceeds the criterion and that 45% of the samples exceeds the percentile criterion from 11 samples collected during 1997.</p> <p>Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10A070 (AT BRIDGE ON MERIDIAN JUST N. OF PUYALLU) shows a geometric mean of 92 does not exceed the criterion and that 17% of the samples exceeds the percentile criterion from 6 samples collected during 1996.</p> <p>Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10A070 (AT BRIDGE ON MERIDIAN JUST N. OF PUYALLU) shows a geometric mean of 129 exceeds the criterion and that 10% of the samples does not exceed the percentile criterion from 10 samples collected during 1995.</p> <p>Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10A070 (AT BRIDGE ON MERIDIAN JUST N. OF PUYALLU) shows a geometric mean of 123 exceeds the criterion and that 25% of the samples exceeds the percentile criterion from 12 samples collected during 1994.</p> <p>Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10A070 (AT BRIDGE ON MERIDIAN JUST N. OF PUYALLU) shows a geometric mean of 138 exceeds the criterion and that 42% of the samples exceeds the percentile criterion from 12 samples collected during 1993.</p>												
10	35421	5	N	PUYALLUP RIVER	PX29AG	7.735	20N	04E	18	Mercury		Water
<p>Hallock (2004), Dept. of Ecology ambient station 10A050 shows 1 sample in year 2003 exceeded the chronic criterion.</p> <p>Puyallup Tribe of Indians unpublished data (submitted by Char Naylor on 3 March 2003) show 1 excursion beyond the chronic criterion from 3 samples collected in 2002 at RM 5.8.</p>												
10	6877	5	Y	SCATTER CREEK	EW02LH	0.476	19N	07E	02	Temperature		Water
<p>Data collected by the Muckleshoot Indian Tribal TFW staff (submitted by Karen Walter on 14 Feb 94) show multiple excursions beyond the criterion along the reach between RM 0 and RM 2.5 (use mouth segment for listing) 7/22/91 and 8/9/91.</p> <p>WASWIS and Lower Route address redefined on 02/17/05. Changed from LY34GL 51.365 to EW02LH 0.476. -kk</p> <p>Continuous temperature measurements were taken, but data were previously submitted in software that does not provide for analysis of the data. The water segment is listed as Category 5 based on the 1998 assessment.</p>												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks
10	7513	5	Y	SUMMIT LAKE Eilers et al, 1996 , Documented sensitivity to acid rain loading. pH has steadily declined from 5.92 in 1985 to 5.30 in 1995 and 1996	588ANI	18N	08E	17		pH	Water	Low pH
10	7514	5	Y	SWAN CREEK Ebbert, et al. 1987. , 2 excursions beyond the criterion at station12102212 (at Pioneer Way) on 11/83 and 2/84, . Ebbert, et al. 1987. , 3 excursions beyond the criterion at station 12102202 (at Pioneer Way) on 11/83, 2/84 and 4/84.	YA22IG	0	20N	03E	11	Fecal Coliform	Water	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
10	9864	5	Y	UNNAMED CREEK Roberts (2001) station T1 (UNNAMED TRIBUTARY ID 14309) shows the geometric mean of 237.410032134727 exceeds the criterion and that 60 % of the samples exceeds the percentile criterion from 10 samples collected during 2001. Roberts (2001) station T1ID (UNNAMED TRIBUTARY) shows the geometric mean of 593.863376318066 exceeds the criterion and that 100 % of the samples exceeds the percentile criterion from 3 samples collected during 2001.; ;	BV68DG	0	19N	05E	13	Fecal Coliform	Water	
10	7518	5	Y	WAPATO CREEK Ebbert, et al. 1987. 4 excursions beyond the criterion at station 12102490 (at Union Pacific RR near North Puyallup) on 8/11/83, 11/04/83, 2/13/84, and 4/25/84.	ZV38XK	12.816	20N	04E	16	Dissolved oxygen	Water	During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues to be impaired. (Braley, ECY/WQP, 2003)
10	7519	5	Y	WAPATO CREEK Ebbert, et al. 1987. 4 excursions beyond the criterion at station 12102510 (at 12th Street E. in Fife) on 8/11/83, 11/04/83, 2/13/84, and 4/25/84.	MM40DB	0	20N	03E	01	Dissolved oxygen	Water	During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues to be impaired. (Braley, ECY/WQP, 2003)
10	7517	5	Y	WAPATO CREEK Ebbert, et al. 1987. 2 excursions beyond the criterion at station 12102490 (at Union Pacific RR near North Puyallup) on 2/13/84 and 4/25/84.	ZV38XK	12.816	20N	04E	16	Fecal Coliform	Water	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks
10	7520	5	Y	WAPATO CREEK Ebbert, et al. 1987. 4 excursions beyond the criterion at 12102510 (at 12th Street E. in Fife) on 8/11/83, 11/4/83, 2/13/84, and 4/25/84.	MM40DB	0	20N	03E	01	Fecal Coliform	Water	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
10	7525	5	Y	WHITE (STUCK) RIVER Pelletier, 1993, 3 excursions beyond the criterion out of 3 samples at RM 6.3 on 9/18/90, 9/19/90, and 10/3/90.	LY34GL	9.004	21N	04E	36	pH	Water	High pH
10	16708	5	Y	WHITE RIVER Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10C130 (White R. at Buckley) shows a geometric mean of 103 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 9 samples collected during 1993. Erickson (1999) station WHI23.1 (White River (WHI23.1)) shows the geometric mean of 41.19 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 6 samples collected during 1996.	LY34GL	34.921	20N	06E	34	Fecal Coliform	Water	Was listed under the name White (Stuck) River in 1998. -kk
10	16709	5	Y	WHITE RIVER Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10C070 (White R. at Sumner) shows a geometric mean of 98 does not exceed the criterion and that 33% of the samples exceeds the percentile criterion from 3 samples collected during 1996. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10C070 (White R. at Sumner) shows a geometric mean of 106 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 3 samples collected during 1995. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10C070 (White R. at Sumner) shows a geometric mean of 152 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 9 samples collected during 1993.	LY34GL	0.505	20N	04E	49	Fecal Coliform	Water	Was listed under the name White (Stuck) River in 1998. -kk
10	16711	5	N	WHITE RIVER Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10C095 (White River @ R Street) shows a geometric mean of 12 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 9 samples collected during 2001. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10C095 (White River @ R Street) shows a geometric mean of 6 does not exceed the criterion and that 8% of the samples does not exceed the percentile criterion from 12 samples collected during 2000. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10C095 (White River @ R Street) shows a geometric mean of 18 does not exceed the criterion and that 13% of the samples exceeds the percentile criterion from 15 samples collected during 1999. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10C095 (White River @ R Street) shows a geometric mean of 14 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 3 samples collected during 1998. Erickson (1999) station WHI08.0 (White River (WHI08.0)) shows the geometric mean of 12.32 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 8 samples collected during 1996.	LY34GL	12.45	21N	05E	29	Fecal Coliform	Water	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
10	7524	5	Y	WHITE RIVER	LY34GL	12.45	21N	05E	29	pH		Water
				Hallock (2004), Dept. of Ecology ambient station 10C095 shows that 2 of 31 samples exceed the criterion.							Changed from Category 5 to Category 2 on 01/24/05 due to consolidation with Listing IDs 10856 (cat 2) and 42704 (cat 2).	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10C095 (White River @ R Street) shows 2 excursions beyond the criterion out of 12 samples collected between 1993 - 2001.							-kk	
				Erickson (1999) station WHI08.0 (White River (WHI08.0)) shows 3 excursions beyond the criterion out of 20 samples collected between 06/96 - 11/97.							Name changed from WHITE (STUCK) RIVER to WHITE RIVER 01/24/05. -kk	
				Pelletier, 1993, 4 excursions beyond the criterion out of 7 samples from RM 8.0 on 9/18/90, 9/19/90, 10/2/90 and 10/3/90.							High pH	
10	7526	5	Y	WHITE RIVER	LY34GL	6.487	20N	04E	01	pH		Water
				Ebbert, 2002, shows 15 excursions beyond the criterion from 55 daily maximum measurements collected in 2001.							High pH	
				Unpublished data from the Puyallup TMDL Effectiveness Monitoring Project shows 32 excursions beyond the criterion from 70 daily maximum measurements collected in 2001.								
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10C085 (White R nr Sumner) shows 0 excursions beyond the criterion out of 5 samples collected between 1993 - 2001.								
				Erickson (1999) station WHI04.9 (White River (WHI04.9)) shows 3 excursions beyond the criterion out of 21 samples collected between 06/96 - 11/97.								
10	17513	5	N	WHITE RIVER	LY34GL	2.468	20N	04E	42	Temperature		Water
				Ebbert, 2002. shows a 7-day mean of maximum values of 20.0 for week ending 13 August 2001. Unpublished data from the Puyallup TMDL Effectiveness Monitoring Project shows a 7-day mean of maximum values of 19.6 for week ending 13 August 2002.								
10	17515	5	N	WHITE RIVER	LY34GL	6.487	20N	04E	01	Temperature		Water
				Unpublished data from the Puyallup TMDL Effectiveness Monitoring Project shows a 7-day mean of maximum values of 18.9 for week ending 1 September 2002.								
				Dept. of Ecology unpublished data from ambient monitoring station 10C085 (White R. nr Sumner) shows a 7-day mean of daily maximum values of 21.3 for mid-week 21 July 2002								
				Ebbert, 2002. shows a 7-day mean of maximum values of 18.95 for week ending 31 August 2001.								
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10C085 (White R nr Sumner) shows 1 excursions beyond the criterion out of 5 samples collected between 1993 - 2001 measured on this date: 96/07/24.								
				Erickson (1999) station WHI04.9 (White River (WHI04.9)) shows 3 excursions beyond the criterion out of 6 samples collected between 06/96 - 11/97.								
				Erickson (1999) shows multiple excursions beyond the criterion (RM 4.9) during 1996.								

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	Remarks
10	17517	5	N	WHITE RIVER	LY34GL	12.45	21N	05E	29	Temperature	Water	<p>Dept. of Ecology unpublished data from ambient monitoring station 10C095 (White R. @ R Street) shows a 7-day mean of daily maximum values of 20.9 for mid-week 21 July 2002</p> <p>Erickson (1999) station WHI08.0 (White River (WHI08.0)) shows 2 excursions beyond the criterion out of 6 samples collected between 06/96 - 11/97.</p> <p>Erickson (1999) station WHI04.9 (White River (WHI04.9)) shows 3 excursions beyond the criterion out of 6 samples collected between 06/96 - 11/97.</p> <p>Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10C095 (White River @ R Street) shows 0 excursions beyond the criterion out of 12 samples collected between 1993 - 2001</p>
10	21301	5	N	WHITE RIVER	LY34GL	3.586	20N	04E	13	Temperature	Water	<p>Continuous monitoring data from a study by Parametrix (2002 and 2004) indicates exceedances of the numeric temperature criteria at RM 1.8 in 2002 and 2003. Northwest Pulp and Paper Association presented rationale and</p> <p>a two year study performed by Parametrix (12/16/02 and 3/15/04) that temperatures higher than the numeric criteria</p> <p>a natural condition and the segment meets the state water quality standard for temperature. Ecology required pulp mills on the Columbia and White/Stuck River to perform a two-year</p> <p>ambient water temperature monitoring study in accordance with Ecologys WQP 1-11 and quality assurance requirements.</p> <p>Ecology reviewed this study and the associated listing in 2003 for natural conditions, but has not yet made a determination of natural conditions for these rivers. EPA has the lead in a Temperature TMDL for the Columbia and Snake</p> <p>Rivers that is underway that may address this issue. The Parametrix study measured temperature data upstream and downstream of pulp mills along the rivers and found the mills did not have a measurable effect on temperatures (the associated discharges do not exceed 0.3 degrees). This study</p> <p>will be valuable for verifying that pulp mills do not contribute a significant increase in temperature when load allocations are</p> <p>being considered in the TMDL.</p>
10	21302	5	N	WHITE RIVER	LY34GL	0.221	20N	04E	23	Temperature	Water	<p>Parametrix, 2002. shows a 7-day mean of daily maximum value of 18.09 deg. C at RM 0.3 in 2002. Parametrix, 2002. by comparison with upstream station</p> <p>the segment did not exceed the allowable 0.3 deg C rise in water temperature from the Sonoco Products discharge at Sumner when upstream temperature was greater than 18</p>

deg

C.

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Remarks	Medium
				Basis							
11	6329	5	Y	CLEAR LAKE Data Collected by the Thurston County and Dept. of Ecology (submitted by Sue Davis on 10/30/97) show eutrophic conditions and impacts to recreation caused by severe algae blooms. Completed Phase I State Clean Lakes Restoration Project in 1994: Tacoma-Pierce County Health Department, 1994. Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 20 ug/L from samples collected in 1981 which does not exceed the water quality standards nutrient criterion for the Puget Lowlands Ecoregion.	650HOS	16N	03E	31	Total Phosphorus		Water
11	22174	5	N	EAST CREEK Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 16.5 degrees C from continuous measurements collected during 2002 at the station called 'East Creek near Forest Boundary'.	JT45YU	6.952	14N	04E	12	Temperature	Water
11	8680	5	Y	HARTS LAKE Singleton, 1983, Eutrophic conditions causing fish kills and hypolimnetic anoxia. O'Neal et al. (2001) concludes that designated uses are not being supported. Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 442 ug/L from samples collected in 1981 which exceeds the water quality standards nutrient criterion for the Puget Lowlands Ecoregion.	240QMC	16N	03E	07	Total Phosphorus		Water
11	22177	5	N	LITTLE NISQUALLY RIVER Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 17 degrees C from continuous measurements collected during 2002 at the station called 'Little Nisqually River above Wildcat Creek'.	UL30WE	5.892	15N	04E	33	Temperature	Water
11	22180	5	N	LITTLE NISQUALLY RIVER, W.F. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 17.7 degrees C from continuous measurements collected during 2002 at the station called 'West Fork Little Nisqually River above confluence with Lake Creek'.	WS70LK	3.262	14N	04E	20	Temperature	Water
11	22181	5	N	LITTLE NISQUALLY RIVER, W.F. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 18.1 degrees C from continuous measurements collected during 2002 at the station called 'West Fork Little Nisqually River above confluence with Winston Creek'.	WS70LK	1.422	14N	04E	17	Temperature	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Remarks	Medium
				Basis							
11	34847	5	N	MASHEL RIVER	KU71FS	0	16N	04E	29	Temperature	Water
Nisqually Indian Tribe unpublished data (submitted by Sayre Hodgson on 6 February 2003) at RM MR06 show a 7-day mean of maximum daily temperature of 19 degrees C, with a maximum daily temperature of 20.2 degrees C from continuous measurements collected in 1993. Nisqually Indian Tribe unpublished data (submitted by Sayre Hodgson on 6 February 2003) at RM MR06 show a 7-day mean of maximum daily temperature of 22.2 degrees C, with a maximum daily temperature of 23.9 degrees C from continuous measurements collected in 1994. Nisqually Indian Tribe unpublished data (submitted by Sayre Hodgson on 6 February 2003) at RM MR06 show a 7-day mean of maximum daily temperature of 20.6 degrees C, with a maximum daily temperature of 21.3 degrees C from continuous measurements collected in 2001.											
11	34848	5	N	MASHEL RIVER	KU71FS	7.771	16N	04E	23	Temperature	Water
Nisqually Indian Tribe unpublished data (submitted by Sayre Hodgson on 6 February 2003) at RM MR52 show a 7-day mean of maximum daily temperature of 19.4 degrees C, with a maximum daily temperature of 20.7 degrees C from continuous measurements collected in 1993. Nisqually Indian Tribe unpublished data (submitted by Sayre Hodgson on 6 February 2003) at RM MR52 show a 7-day mean of maximum daily temperature of 24.1 degrees C, with a maximum daily temperature of 25.8 degrees C from continuous measurements collected in 1994. Nisqually Indian Tribe unpublished data (submitted by Sayre Hodgson on 6 February 2003) at RM MR52 show a 7-day mean of maximum daily temperature of 23.7 degrees C, with a maximum daily temperature of 24.4 degrees C from continuous measurements collected in 1996. Nisqually Indian Tribe unpublished data (submitted by Sayre Hodgson on 6 February 2003) at RM MR52 show a 7-day mean of maximum daily temperature of 22.5 degrees C, with a maximum daily temperature of 23.7 degrees C from continuous measurements collected in 1997.											
Nisqually River Education Project station Mashel River @ Eatonville show no excursions beyond the criterion from measurements collected in 2001 and 2002.											
11	34849	5	N	MASHEL RIVER	KU71FS	12.115	16N	05E	18	Temperature	Water
Nisqually Indian Tribe unpublished data (submitted by Sayre Hodgson on 6 February 2003) at RM MR75 show a 7-day mean of maximum daily temperature of 16.8 degrees C, with a maximum daily temperature of 17.6 degrees C from continuous measurements collected in 1993. Nisqually Indian Tribe unpublished data (submitted by Sayre Hodgson on 6 February 2003) at RM MR75 show a 7-day mean of maximum daily temperature of 20.3 degrees C, with a maximum daily temperature of 22 degrees C from continuous measurements collected in 1994. Nisqually Indian Tribe unpublished data (submitted by Sayre Hodgson on 6 February 2003) at RM MR75 show a 7-day mean of maximum daily temperature of 21.6 degrees C, with a maximum daily temperature of 22.6 degrees C from continuous measurements collected in 1996. Nisqually Indian Tribe unpublished data (submitted by Sayre Hodgson on 6 February 2003) at RM MR75 show a 7-day mean of maximum daily temperature of 19.9 degrees C, with a maximum daily temperature of 21.2 degrees C from continuous measurements collected in 1997.											
11	34850	5	N	MASHEL RIVER	KU71FS	14.736	16N	05E	17	Temperature	Water
Nisqually Indian Tribe unpublished data (submitted by Sayre Hodgson on 6 February 2003) at RM MR85 show a 7-day mean of maximum daily temperature of 19.6 degrees C, with a maximum daily temperature of 20.7 degrees C from continuous measurements collected in 1994.											

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium
											Remarks
DO to	11	7529	5	Y	MCALLISTER CREEK					Dissolved oxygen	Water
	Data Collected by Thurston County (submitted by Sue Davis on 10/30/97) show 12 excursions beyond the criterion out of 12 samples (100%) collected at McAllister Creek RM 2.5 (Interstate 5) in 1995-1996.										During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments. Based on a review of monitoring studies for
											statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues
											be impaired. (Braley, ECY/WQP, 2003)
	11	7532	5	Y	MCALLISTER CREEK					Dissolved oxygen	Water
Data Collected by the Nisqually Tribe (submitted by Sue Davis on 10/30/97) show 27 excursions beyond the criterion out of 41 samples (66%) collected at McAllister Creek RM 3.1 between 1993 and 1996.											
	11	7530	5	Y	MCALLISTER CREEK					Fecal Coliform	Water
Data Collected by Thurston County (submitted by Sue Davis on 10/30/97) show a geometric mean of 74 org/100mL with 33% exceeding te percentile criterion out of 6 samples collected at McAllister Creek RM 2.5 (Interstate 5) in 1994-1995 .											
Data from the Dept. of Ecology EIM database for the Project BEDI0005 (MCALLISTER CREEK WATER QUALITY SURVEY) station MC41 (MCALLISTER CREEK (MC41)) shows the geometric mean of 33.5275951972657 does not exceed the criterion and that 0 % of the samples does not exceed the percentile criterion from 4 samples collected during 2001.											
Data from the Dept. of Ecology EIM database for the Project BEDI0005 (MCALLISTER CREEK WATER QUALITY SURVEY) station MC30 (MCALLISTER CREEK (MC30)) shows the geometric mean of 93.407840767339 does not exceed the criterion and that 34.6153846153846 % of the samples exceeds the percentile criterion from 26 samples collected during 2001.											
	11	7531	5	Y	MCALLISTER CREEK					Fecal Coliform	Water
Data Collected by the Nisqually Tribe (submitted by Sue Davis on 10/30/97) show a geometric mean of 201 org/100mL with 53% exceeding te percentile criterion out of 15 samples collected at McAllister Creek RM 3.1 during 1995-1996.											
Data from the Dept. of Ecology EIM database for the Project BEDI0005 (MCALLISTER CREEK WATER QUALITY SURVEY) station MC34 (MCALLISTER CREEK (MC34)) shows the geometric mean of 82.9214533349075 does not exceed the criterion and that 28.5714285714286 % of the samples exceeds the percentile criterion from 7 samples collected during 2001.											
Data from the Dept. of Ecology EIM database for the Project BEDI0005 (MCALLISTER CREEK WATER QUALITY SURVEY) station MC32 (MCALLISTER CREEK (MC32)) shows the geometric mean of 74.0869209206688 does not exceed the criterion and that 33.3333333333333 % of the samples exceeds the percentile criterion from 9 samples collected during 2001.											

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium	
11	39746	5	N	NISQUALLY REACH/DRAYTON PASSAGE Department of Health unpublished data collected from station NISQUALLY REACH-224 show a geometric mean of 22 cfu/100mL and 30% of samples exceed the percentile criterion with the last sample collected on 3-Dec-2001. Department of Health unpublished data collected from station NISQUALLY REACH-234 show a geometric mean of 34 cfu/100mL and 50% of samples exceed the percentile criterion with the last sample collected on 3-Dec-2001.	390KRD	47122A7J2	47.095	122.725	Fecal Coliform		Water	
11	39748	5	N	NISQUALLY REACH/DRAYTON PASSAGE Department of Health unpublished data collected from station NISQUALLY REACH-235 show a geometric mean of 16 cfu/100mL and 16.6666666666667% of samples exceed the percentile criterion with the last sample collected on 3-Dec-2001.	390KRD	47122A6J9	47.095	122.695	Fecal Coliform		Water	
11	39749	5	N	NISQUALLY REACH/DRAYTON PASSAGE Department of Health unpublished data collected from station NISQUALLY REACH-236 show a geometric mean of 14 cfu/100mL and 16.6666666666667% of samples exceed the percentile criterion with the last sample collected on 3-Dec-2001.	390KRD	47122A7J0	47.095	122.705	Fecal Coliform		Water	
11	39750	5	N	NISQUALLY REACH/DRAYTON PASSAGE Department of Health unpublished data collected from station NISQUALLY REACH-245 show a geometric mean of 6 cfu/100mL and 13.3333333333333% of samples exceed the percentile criterion with the last sample collected on 3-Dec-2001.	390KRD	47122B7B1	47.115	122.715	Fecal Coliform		Water	
11	39752	5	N	NISQUALLY REACH/DRAYTON PASSAGE Department of Health unpublished data collected from station NISQUALLY REACH-247 show a geometric mean of 6 cfu/100mL and 16.6666666666667% of samples exceed the percentile criterion with the last sample collected on 3-Dec-2001.	390KRD	47122B6B8	47.115	122.685	Fecal Coliform		Water	
11	7533	5	Y	OHOP CREEK Nisqually Tribal data (submitted by Anthony Whiley 2/16/96) show numerous high levels from samples collected at the mouth by the between 1991and 1995. Nisqually River Education Project station Ohop Creek@Kjelstad Rd. data show a geometric mean of 69 cfu/100mL from 2 samples collected in 2001. Nisqually River Education Project station Ohop Creek@Kjelstad Rd. data show a geometric mean of 28 cfu/100mL from 2 samples collected in 2002.	MW64EU	0	16N	03E	25	Fecal Coliform	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	Water
11	6360	5	Y	OHOP LAKE Phase I State Clean Lakes Restoration Project: Problems encountered - impaired salmon rearing habitat, increasing algal blooms, excessive macrophyte growth. Final report completed in 5/97. Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 59 ug/L from samples collected in 1981 which exceeds the water quality standards nutrient criterion for the Puget Lowlands Ecoregion.	688HMI	16N	04E	10	Total Phosphorus		Water	
12	42443	5	N	AMERICAN LAKE Seiders, 2004. shows the National Toxics Rule criterion was exceeded in Kokanee fillet samples collected 8/1/2002.	842SQS	15N	11E	05	2,3,7,8-TCDD		Tissue	

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium			
				Basis					Remarks				
	12	42168	5	N	AMERICAN LAKE	329BEX	19N	02E	20	Dieldrin	Tissue		
					Seiders, 2004. shows the National Toxics Rule criterion was exceeded in Kokanee fillet samples collected 8/1/2002.								
	12	42169	5	N	AMERICAN LAKE	329BEX	19N	02E	20	Total PCBs	Tissue		
					Seiders, 2004. shows the National Toxics Rule criterion was exceeded in Kokanee fillet samples collected 8/1/2002.								
a	12	6288	5	Y	AMERICAN LAKE	329BEX	19N	02E	20	Total Phosphorus	Water		
					Completed Federal Clean Lakes Restoration Project in 1993 -Problems Encountered: toxic blue-green algal blooms which have resulted in animal poisonings and						Phase II Federal Clean Lakes Restoration Project Grant for		
					public health advisories. KCM, 1993.								
					Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 1 ug/L derived from the reported Carlson's Trophic State Index value which does not exceed the water quality standards nutrient criterion for the Puget Lowlands Ecoregion.						Watershed Management Plan was completed by July 1997. Control Measures Proposed - Phosphorus precipitation/inactivation, watershed nutrient management, volunteer monitoring.		
	12	16720	5	Y	CHAMBERS CREEK	DO71CI	1.488	20N	02E	99	Fecal Coliform	Water	
					Hallock (2001) Dept. of Ecology Ambient Monitoring Station 12A070 (LOCATED AT CHAMBERS CREEK ROAD BRIDGE 1) shows a geometric mean of 19 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 3 samples collected during 1995.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 12A070 (LOCATED AT CHAMBERS CREEK ROAD BRIDGE 1) shows a geometric mean of 23 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 3 samples collected during 1996.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 12A070 (LOCATED AT CHAMBERS CREEK ROAD BRIDGE 1) shows a geometric mean of 60 does not exceed the criterion and that 25% of the samples exceeds the percentile criterion from 8 samples collected during 1993.								
	12	7543	5	Y	CLOVER CREEK	FC86XG	0.267	19N	03E	45	Dissolved oxygen	Water	
					McCarthy, 1996. , 3 excursions beyond the criterion out of 5 samples (60%) at station 480 from 1991 to 1992;						During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues		
to											be impaired. (Braley, ECY/WQP, 2003)		
	12	7545	5	Y	CLOVER CREEK	PS92IZ	11.027	19N	03E	47	Fecal Coliform	Water	
					McCarthy, 1996. , 4 excursions beyond the criteria out of 8 samples (50%) at station 360 from 1991 to 1992;						Fecal coliform data were available only in hardcopy form. The water segment is listed as Category 5 based on the		
1998											assessment.		
	12	7547	5	Y	CLOVER CREEK	PS92IZ	6.487	19N	03E	42	Fecal Coliform	Water	
					McCarthy, 1996. , 7 excursions beyond the criteria out of 13 samples (53%) at station 430 from 1991 to 1992;						Fecal coliform data were available only in hardcopy form. The water segment is listed as Category 5 based on the		
1998											assessment.		

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks	
1998	12	7548	5	Y	CLOVER CREEK	PS92IZ	2.126	19N	02E	48	Fecal Coliform	Water	Fecal coliform data were available only in hardcopy form. The water segment is listed as Category 5 based on the assessment.
	McCarthy, 1996. , 4 excursions beyond the criteria out of 15 samples (27%) at station 500 from 1991 to 1992;												
1998	12	7549	5	Y	CLOVER CREEK	PS92IZ	0.546	19N	02E	11	Fecal Coliform	Water	Fecal coliform data were available only in hardcopy form. The water segment is listed as Category 5 based on the assessment.
	McCarthy, 1996. , 5 excursions beyond the criteria out of 10 samples (50%) at station 602 from 1991 to 1992; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 12A110 (LOCATED ON CLOVER CREST DRIVE JUST OFF G) shows a geometric mean of 153 exceeds the criterion and that 50% of the samples exceeds the percentile criterion from 2 samples collected during 1995.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 12A110 (LOCATED ON CLOVER CREST DRIVE JUST OFF G) shows a geometric mean of 233 exceeds the criterion and that 100% of the samples exceeds the percentile criterion from 3 samples collected during 1996.												
reassessment	12	7553	5	Y	CLOVER CREEK	PS92IZ	0.546	19N	02E	11	Temperature	Water	This listing was placed on Category 2 in error, a
	Hallock (2001) Dept. of Ecology Ambient Monitoring Station 12A110 (Clover Cr abv Steilacoom Lk) shows 4 excursions beyond the criterion out of 16 samples collected between 1993 - 2001 measured on these dates: 96/07/24, 96/08/21, 97/07/23, 97/09/23, Johnson (1996) station 12A110 (LOCATED ON CLOVER CREST DRIVE JUST OFF G) shows 0 excursions beyond the criterion out of 4 samples collected between 08/95 - 10/95. 3 excursions beyond the criterion at USGS station 12090602 (at Gravelly Lake drive near Tacoma) in 1991.												
	12	3745	5	N	LEACH CREEK	GY44AY	0	20N	02E	27	Mercury	Water	
Data from the Dept. of Ecology EIM database for the Project AJOH0023 (1995 CHAMBERS/CLOVER CR METALS) station LEACH (LEACH CREEK AT MOUTH (CHAMBERS CK)) shows 2 excursions beyond the criterion out of 2 samples collected between 08/95 - 10/95.													
	12	35829	5	N	PUGET SOUND (SOUTH)	390KRD	47122C5E6	47.245	122.565		Total PCBs	Tissue	
Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of more than 5 muscle tissue tissue tissue tissue tissue samples collected in 1992-1993 from copper rockfish (Sebastes caurinus) samples from station DAYISLND.													
	12	6118	5	N	SPANAWAY LAKE	900AKK	19N	03E	20		Fecal Coliform	Water	
Department of Ecology lakes monitoring data shows 3 of 3 (100%) daily maximum samples (collected 7/28/2003,8/25/2003, 9/22/2003) exceeded the percentile criterion in 2003. Samples were collected near Main Beach recreation area and reflects water quality conditions in this area only. Smith et al. (2000) shows 0 sample above the criterion out of 4 samples.													
	12	40866	5	Y	STEILACOOM LAKE	425LMS	20N	02E	34		Sediment Bioassay	Sediment	
Bennett and Cubbage, 1992, significant response on bioassays with Hyalella and Hexagenia.													

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium			
				Basis					Remarks				
	12	6374	5	Y	STEILACOOM LAKE	425LMS	20N	02E	34	Total Phosphorus	Water		
					State Phase I Clean Lakes Restoration Project -diagnostic/feasibility report submitted to Ecology.								
					Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 39 ug/L from samples collected in 1981 which exceeds the water quality standards nutrient criterion for the Puget Lowlands Ecoregion.								
	12	7558	5	Y	UNNAMED CREEK (TRIBUTARY TO CLOVER CREEK AT 99TH STREET)	FP21BP	0.67	19N	03E	15	Fecal Coliform	Water	
1998					McCarthy, 1996. , 5 excursions beyond the criteria out of 7 samples (71%) at station 380 (Unnamed Tributary to N.F. Clover Creek at 99th Street E.) from 1991 to 1992;	Fecal coliform data were available only in hardcopy form. The water segment is listed as Category 5 based on the assessment.							
	12	5847	5	Y	UNNAMED CREEK (TRIBUTARY TO CLOVER CREEK AT BINGHAM AVE)	PS92IZ	14.482	19N	03E	23	Fecal Coliform	Water	
1998					McCarthy, 1996. , 2 excursions beyond the criteria out of 3 samples (67%) at station 340 (Unnamed tributary. to Clover Creek at Bingham Ave. E) from 1991 to 1992;	Fecal coliform data were available only in hardcopy form. The water segment is listed as Category 5 based on the assessment.							
	12	5848	5	Y	UNNAMED CREEK (TRIBUTARY TO CLOVER CREEK AT BROOKDALE RD.)	FP21BP	1.067	19N	03E	48	Fecal Coliform	Water	
1998					McCarthy, 1996, 2 excursions beyond the criteria out of 4 samples (50%) at station 395 (Unnamed tributary. to N.F Clover Creek at Brookdale Road) from 1991 to 1992.	Fecal coliform data were available only in hardcopy form. The water segment is listed as Category 5 based on the assessment.							
					McCarthy, 1996, 5 excursions beyond the criteria out of 9 samples (55%) at station 400 from 1991 to 1992.								
	12	6323	5	N	WAPATO LAKE	195IMJ	20N	03E	29	Fecal Coliform	Water		
the					Completed Federal Clean Lakes Restoration Project in 1981 - Problems Encountered: Blue-green algae, low dissolved oxygen, turbidity, sediment phosphorus recycling, storm water, low transparency, fecal coliform bacteria; Canning, et al. 1978; Metropolitan Park District of Tacoma, 1978.	Completed Phase II Restoration Project in 1987: Entrance Engineers, 1986; Control measures implemented based on							
					Phase I Study - phosphorus precipitation/inactivation, diversion, dilution/flushing, drawdown, structural storm water controls, public education.								
					Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.								
	13	5851	5	Y	AYER (ELWANGER) CREEK	XR83PB	2.997	17N	01E	07	Dissolved oxygen	Water	
					Six excursions beyond the criterion collected by Thurston County (submitted by Sue Davis on 3/28/96) between 1992 and 1995.								
	13	5849	5	Y	AYER (ELWANGER) CREEK	XR83PB	2.997	17N	01E	07	Fecal Coliform	Water	
					Sixteen excursions beyond the criterion collected by Thurston County (submitted by Sue Davis on 3/28/96) between 1992 and 1995 off Sienna Court.								
					Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.								

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium		
4/2005)	13	5850	5	Y	AYER (ELWANGER) CREEK	XR83PB	2.997	17N	01E	07	pH	Four excursions beyond the criterion out of 9 samples collected by Thurston County (submitted by Sue Davis on 3/28/96) between 1992 and 1995. Low pH	Water	
	13	42337	5	N	BLACK RIVER DITCH	GW14BM	46.06	18N	02W	29	Temperature	Thurston County data (submitted by Mark Biever on March 16, 2004), station (Black Ditch @ Jones Quarry), shows in year 2003 there were 92 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance in this year was 24.19 °Celcius for the 7-day period ending July 31, 2003.	Water	
	13	8688	5	Y	BUDD INLET (INNER)	390KRD	47122A8F9	47.055	122.895		BENZO(A)ANTHRACENE	Norton, 1986. , excursions beyond the criterion in edible shellfish tissue.	Tissue	
	13	8685	5	Y	BUDD INLET (INNER)	390KRD	47122A8F9	47.055	122.895		Benzo(b)fluorene	Norton, 1986. , excursions beyond the criterion in edible shellfish tissue.	Tissue	
	13	8686	5	Y	BUDD INLET (INNER)	390KRD	47122A8F9	47.055	122.895		Benzo(k)fluorene	Norton, 1986. , excursions beyond the criterion in edible shellfish tissue.	Tissue	
	13	8689	5	Y	BUDD INLET (INNER)	390KRD	47122A8F9	47.055	122.895		Chrysene	Norton, 1986. , excursions beyond the criterion in edible shellfish tissue.	Tissue	
4/2005)	13	5852	5	N	BUDD INLET (INNER)	390KRD	47122A9F0	47.055	122.905		Dissolved oxygen	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 22 excursions beyond the criterion out of 48 samples (46%) at station BI-4 between 1992 and 1994. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station BUD002 (Budd Inlet - S. End Oly Port) shows 5 excursions beyond the criterions out of 37 samples collected between 1993-2000	This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,	Water
	13	5853	5	Y	BUDD INLET (INNER)	390KRD	47122A9E0	47.045	122.905		Dissolved oxygen	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 25 excursions beyond the criterion out of 49 samples (51%) at station BI-5 and 23 excursions beyond the criterion out of 44 samples (52%) at station BI-6 between 1992 and 1994.;	This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium	
				Basis					Remarks		
4/2005)	13	5862	5	Y	BUDD INLET (INNER)	390KRD	47122A9G0	47.065	122.905	Dissolved oxygen	Water
	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 10 excursions beyond the				criterion out of 47 samples (21%) at station BI-3 between				This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,		
4/2005)	13	5863	5	Y	BUDD INLET (INNER)	390KRD	47122A8F9	47.055	122.895	Dissolved oxygen	Water
	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 7 excursions beyond the				criterion out of 26 samples (27%) at station BI-1 between				This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,		
4/2005)	13	5864	5	Y	BUDD INLET (INNER)	390KRD	47122A8G9	47.065	122.895	Dissolved oxygen	Water
	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 15 excursions beyond the				criterion out of 48 samples (31%) at station BI-2 between				This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,		
4/2005)	13	7587	5	N	BUDD INLET (INNER)	390KRD	47122A9H1	47.075	122.915	Dissolved oxygen	Water
	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 20 excursions beyond the				criterion out of 47 samples (43%) at station BA-2 between				This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,		
4/2005)	13	40581	5	Y	BUDD INLET (INNER)	390KRD	47122A9F0	47.055	122.905	Dissolved oxygen	Water
	Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station BUD002 (Budd Inlet - S. End Oly Port) shows 5 excursions beyond the				criteria out of 37 samples collected between 1993-2000				This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,		
	13	8690	5	Y	BUDD INLET (INNER)	390KRD	47122A8E9	47.045	122.895	Total PCBs	Tissue
	Johnson and Davis, 1996. , excursion beyond the National Toxics Rule criterion (PCB-1254) calculated for tissue in mussel samples collected in 1995 from the				head of East Bay at the culvert at the mouth of Moxlie Creek.						

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium	
Basis									Remarks		
4/2005)	13	3769	5	N	BUDD INLET (OUTER)	390KRD	47122B9E2	47.145	122.925	Dissolved oxygen	Water
	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 2 excursions beyond the 1992 and 1994.					criterion out of 10 samples (20%) at station BF-3 between				This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,	
4/2005)	13	3770	5	N	BUDD INLET (OUTER)	390KRD	47122B9E1	47.145	122.915	Dissolved oxygen	Water
	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 3 excursions beyond the 1992 and 1994.					criterion out of 13 samples (23%) at station BF-2 between				This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,	
4/2005)	13	7582	5	Y	BUDD INLET (OUTER)	390KRD	47122A9I0	47.085	122.905	Dissolved oxygen	Water
	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 4 excursions beyond the 1992 and 1994.					criterion out of 24 samples (17%) at station BB-1 between				This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,	
4/2005)	13	7583	5	Y	BUDD INLET (OUTER)	390KRD	47122B9A1	47.105	122.915	Dissolved oxygen	Water
	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 12 excursions beyond the 1992 and 1994.					criterion out of 45 samples (27%) at station BC-3 between				This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,	
4/2005)	13	7584	5	Y	BUDD INLET (OUTER)	390KRD	47122A8J9	47.095	122.895	Dissolved oxygen	Water
	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 9 excursions beyond the 1992 and 1994.					criterion out of 28 samples (32%) at station BC-1 between				This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,	
4/2005)	13	7585	5	Y	BUDD INLET (OUTER)	390KRD	47122A9I1	47.085	122.915	Dissolved oxygen	Water
	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 19 excursions beyond the 1992 and 1994.					criterion out of 49 samples (39%) at station BB-2 between				This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,	

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium
Basis									Remarks	
13	7586	5	Y	BUDD INLET (OUTER)	390KRD	47122B9A0	47.105	122.905	Dissolved oxygen	Water
Data collected by Ecology (summarized by Eisner and Newton, 1997) show 12 excursions beyond the 1992 and 1994.					criterion out of 30 samples (40%) at station BC-2 between				This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo, 4/2005)	
13	40588	5	Y	CAPITOL (NORTH ARM) LAKE	601ADB	18N	02W	15	Fecal Coliform	Water
Completed Phase I State Clean Lakes Restoration Project in 1984 -Problems Encountered: Low dissolved oxygen, high turbidity, sedimentation, tributary nutrient inputs, fecal coliform bacteria. Data collected by Brown and Caldwell (submitted by Matthew Davis on 9/17/97) show 4 excursions beyond the upper criterion collected between 1/97 and 3/97 at the dam.									Water Segment Number 601ADB includes both the North Arm (Old ID # WA-13-9020) and the South Arm (Old ID # WA-13-9030). Completed Phase II State Clean Lakes Restoration Project in 1988: Control measures implemented based on the Phase I Study - sediment removal dredging, drawdown, hypolimnetic injection/withdrawl. Per EPA guidance, this lake cannot be excluded from the list under federal regulation 40 CFR130.7(b)(1)(iii) since the known monitoring occurring shows the controls were not completely effective at meeting fecal coliform standards.	
13	22718	5	Y	CAPITOL (NORTH ARM) LAKE	601ADB	18N	02W	15	Total Phosphorus	Water
Sumioka and Dion (1985). show a summer epilimnetic total phosphorus concentration of 42 ug/L derived from the reported Carlson's Trophic State Index value which exceeds the water quality standards nutrient criterion for the Puget Lowlands Ecoregion.									Total P levels for this lake are eutrophic. The lake has large summer algae blooms, which are indicative of eutrophication.	
Monitoring for total P done by Thurston County bewteen 1999-2003 shows average levels of 33 ug/l to 35 ug/l. (Moore, ECY/WQP, 2003)									This lake remains impaired for phophorus. (Moore, ECY/WQP, 2003)	

13	16722	5	Y	DESCHUTES RIVER	TM40PW	1.076	18N	02W	60	Fecal Coliform	Water
Hallock (2004), Dept. of Ecology ambient station 13A060 meets tested standards for fecal coliform.											
Hallock (2004), Dept. of Ecology ambient station 13A060 shows 1 of 12 samples (8.3%) in year 2003 exceeded the percentile criterion.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 13A060 (Deschutes R. at E St Bridge) shows a geometric mean of 28 does not exceed the criterion and that 11% of the samples exceeds the percentile criterion from 9 samples collected during 2001.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 13A060 (Deschutes R. at E St Bridge) shows a geometric mean of 15 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 2000.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 13A060 (Deschutes R. at E St Bridge) shows a geometric mean of 36 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 1999.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 13A060 (Deschutes R. at E St Bridge) shows a geometric mean of 34 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 1998.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 13A060 (Deschutes R. at E St Bridge) shows a geometric mean of 34 does not exceed the criterion and that 8% of the samples does not exceed the percentile criterion from 12 samples collected during 1997.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 13A060 (Deschutes R. at E St Bridge) shows a geometric mean of 24 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 6 samples collected during 1996.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 13A060 (Deschutes R. at E St Bridge) shows a geometric mean of 51 does not exceed the criterion and that 17% of the samples exceeds the percentile criterion from 12 samples collected during 1995.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 13A060 (Deschutes R. at E St Bridge) shows a geometric mean of 59 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 2 samples collected during 1994.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 13A060 (Deschutes R. at E St Bridge) shows a geometric mean of 25 does not exceed the criterion and that 22% of the samples exceeds the percentile criterion from 9 samples collected during 1993.											

13	6232	5	Y	DESCHUTES RIVER	TM40PW	43.781	16N	02E	30	Fine Sediment	Water
The following references document habitat alterations: Schuett-Hames and Flores, 1993, fine sediment rated as 'poor' according to the TFW watershed analysis manual threshold on reach 22 (RM 28.5) Squaxin Island Tribal data (submitted by Jeff Dickison on 2/27/96) show fine sediment ranging from 15.5% to 22.5% The following references document characteristic uses: Squaxin Island Tribal data (submitted by Jeff Dickison on 2/27/96) show stock of Coho salmon Baranski, 1996 SASSI Update shows that Coho are reclassified to depressed. The following references document human-caused contribution to habitat alterations Toth, 1991 Thurston County, 1995											

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
13	6576	5	Y	DESCHUTES RIVER Dept. of Ecology unpublished data from core ambient monitoring station 13A060 (Deschutes R. at E St Bridge) shows a 7-day mean of daily maximum values of 19.4 for mid-week 10 August 2001. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 13A060 (DESCHUTES RIVER AT E ST BRIDGE) shows 1 excursions beyond the criterion out of 50 samples collected between 1993 - 2001	TM40PW	1.076	18N	02W	60	Temperature		Water
	7588	5	Y	DESCHUTES RIVER Sullivan et al. 6 excursions beyond the criterion collected in 8/88 at site AF.	TM40PW	58.221	15N	03E	07	Temperature	Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	Water
	7590	5	Y	DESCHUTES RIVER Squaxin Island Tribal data (submitted by Jeff Dickison on 2/27/96) show 38 excursions beyond the criterion at RM 15.0 during 1995.	TM40PW	22.466	17N	01W	33	Temperature	Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	Water
	7591	5	Y	DESCHUTES RIVER Squaxin Island Tribal data (submitted by Jeff Dickison on 2/27/96) show 27 excursions beyond the criterion at RM 20.8 during 1995.	ST93WM	0	16N	01E	18	Temperature	Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	Water
	7592	5	Y	DESCHUTES RIVER Squaxin Island Tribal data (submitted by Jeff Dickison on 2/27/96) show 32 excursions beyond the criterion at RM 28.5, during 1995.	TM40PW	43.781	16N	02E	30	Temperature	Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	Water
	7593	5	Y	DESCHUTES RIVER Squaxin Island Tribal data (submitted by Jeff Dickison on 2/27/96) show 54 excursions beyond the criterion at RM 33.0 during 1995.	TM40PW	49.861	16N	02E	34	Temperature	Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	Water
	40612	5	Y	DOBBS CREEK 15 excursions beyond the criterion collected by Thurston County (submitted by Sue Davis on 3/28/96) between 1992 and 1995.	UNK000	0	00U	000U	00	Fecal Coliform	There is no WASWIS ID for this segment. The stream to the east shore of Henderson Inlet. TRS 19N-01W-28.	Water

drains

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium	Remarks
				Basis							

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium	
13	39766	5	N	HENDERSON INLET Department of Health unpublished data collected from station HENDERSON INLET-197 show a geometric mean of 10 cfu/100mL and 13.33333333333333% of samples exceed the percentile criterion with the last sample collected on 4-Dec-2001. Department of Health unpublished data collected from station HENDERSON INLET-200 show a geometric mean of 8 cfu/100mL and 10% of samples exceed the percentile criterion with the last sample collected on 4-Dec-2001.	390KRD	47122B8B3	47.115	122.835	Fecal Coliform		Water	
13	39767	5	N	HENDERSON INLET Department of Health unpublished data collected from station HENDERSON INLET-191 show a geometric mean of 8 cfu/100mL and 10% of samples exceed the percentile criterion with the last sample collected on 4-Dec-2001. Department of Health unpublished data collected from station HENDERSON INLET-198 show a geometric mean of 8 cfu/100mL and 13.33333333333333% of samples exceed the percentile criterion with the last sample collected on 4-Dec-2001. Department of Health unpublished data collected from station HENDERSON INLET-204 show a geometric mean of 4 cfu/100mL and 0% of samples exceed the percentile criterion with the last sample collected on 4-Dec-2001.	390KRD	47122B8C3	47.125	122.835	Fecal Coliform		Water	
13	39770	5	N	HENDERSON INLET Department of Health unpublished data collected from station HENDERSON INLET-201 show a geometric mean of 12 cfu/100mL and 16.66666666666667% of samples exceed the percentile criterion with the last sample collected on 4-Dec-2001.	390KRD	47122B8C2	47.125	122.825	Fecal Coliform		Water	
13	3757	5	Y	HUCKLEBERRY CREEK Caldwell, et al. 1991, Numerous excursions beyond the criterions at 4 different locations during 1990.	RX35HU	1.575	15N	04E	17	Temperature	The daily maximum excursions are for one year only and do not meet the WQ Program Policy 1-11 (updated 9/02) for showing persistent temperature impairment. Listing will be placed in waters of concern category until further study and monitoring indicates the status of the water.	Water
13	3758	5	Y	INDIAN CREEK Thirteen excursions beyond the criterion collected by Thurston County (submitted by Sue Davis on 3/28/96) between 1993 and 1995 at Quince Ave.	KX91JE	2.632	18N	01W	18	Fecal Coliform	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	Water
13	3759	5	Y	INDIAN CREEK Data collected by Brown and Caldwell (submitted by Matthew Davis on 9/17/97) show numerous excursions beyond the percentile criterion collected between 11/96 and 8/97 at the mouth: 3 of 4 samples (75%) collected in 1996 exceeded the percentile criterion and 12 of 13 of samples (92.3%) exceeded the percentile criterion in 1997.	KX91JE	0	18N	02W	41	Fecal Coliform		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium	Remarks
				Basis							
13	6348	5	N	LAWRENCE LAKE	355SBF	16N	02E	29	Total Phosphorus	Water	
Completed Phase I State Clean Lakes Restoration Project in 1992 - Problems Encountered: Blue-green algae, hypolimnetic anoxia, aquatic macrophytes, low transparency, sediment phosphorus recycling. KCM, 1991.											
13	6352	5	N	LONG LAKE	473ADP	18N	01W	22	Total Phosphorus	Water	
Completed Phase I Federal Clean Lakes Restoration Project in 1982- Problems Encountered: Blue-green algae, low transparency, aquatic macrophytes, sediment phosphorus recycling.											
Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 10 ug/L derived from the reported Carlson's Trophic State Index value which does not exceed the water quality standards nutrient criterion for the Puget Lowlands Ecoregion.											
1987:Entranco Engineer's, 1987. Control measures implemented - phosphorus precipitation/inactivation, aquatic macrophyte harvesting, public education. Welch and Cooke, 1995 = monitored effectiveness of control measures showed a 14 ug/l increase in whole-lake total phosphorus 8 years											
implementation. A phosphorus control plan is in place that has been adopted by Thurston County on 1/3/95. An active Lake Management District with funding for the phosphorus control plan under Thurston County Ordinance Number											
adopted 9/5/95.											
Listing ID 22723 rolled into this listing 04/06/04 -kk											
13	17431	5	N	MCINTOSH LAKE	618HVI	16N	01W	33	Total PCBs	Tissue	
Seiders, 2002. show the National Toxics Rule criterion was exceeded in fillet samples of Brown trout collected in 2001.											
13	12581	5	N	MCLANE CREEK	SD15AI	0.792	18N	03W	24	Fecal Coliform	Water
National Monitoring Program unpublished data (submitted by David Batts on 13 December 2002) show excursions beyond the the geometric mean criterion in the wet season from 1998-1999. National Monitoring Program unpublished data (submitted by David Batts on 13 December 2002) show excursions beyond the the percentile criterion in the wet seasons from 2001-2002. National Monitoring Program unpublished data (submitted by David Batts on 13 December 2002) show excursions beyond the the geometric mean criterion in the dry season from 1999-2001. National Monitoring Program unpublished data (submitted by David Batts on 13 December 2002) show excursions beyond the the percentile criterion in the dry seasons from 1999-2001.											
13	41707	5	N	MCLANE CREEK	SD15AI	0	18N	02W	19	Fecal Coliform	Water
Batts, D. and K. Seiders, (2003), station MCL-SAMPLE shows that 15 of 42 samples (35.7%) collected in 2001 exceed the percentile criterion and that 12 of 41 samples (29.3%) collected in 2000 exceed the percentile criterion; Batts, D. and K. Seiders, (2003), station MCL-SAMPLE shows the geometric mean of 109.5 exceeds the criterion and 8 of 41 samples (19.5%) collected in 1999 exceed the percentile criterion.											

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Medium	Remarks
13	3761	5	Y	MOXLIE CREEK Data collected by Thurston County (submitted by Sue Davis on 10/30/97) show 5 excursions beyond the upper criterion at Plum Street and Henderson Blvd between 1994 and 1996.	UNK000	0	00U	000U 00	Fecal Coliform	Water	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment. TRS 18N-02W-27.
13	39781	5	N	NISQUALLY REACH/DRAYTON PASSAGE Department of Health unpublished data collected from station NISQUALLY REACH-225 show a geometric mean of 8 cfu/100mL and 16.6666666666667% of samples exceed the percentile criterion with the last sample collected on 3-Dec-2001. Department of Health unpublished data collected from station NISQUALLY REACH-229 show a geometric mean of 3 cfu/100mL and 3.33333333333333% of samples exceed the percentile criterion with the last sample collected on 3-Dec-2001. Department of Health unpublished data collected from station NISQUALLY REACH-230 show a geometric mean of 7 cfu/100mL and 3.33333333333333% of samples exceed the percentile criterion with the last sample collected on 3-Dec-2001.	390KRD	47122B7A3	47.105	122.735	Fecal Coliform	Water	
13	6361	5	N	PATTERSON (SOUTH ARM) LAKE Completed Phase I Federal Clean Lakes Restoration Project in 1982- Problems Encountered: Blue-green algae, low transparency, aquatic macrophytes, sediment phosphorus recycling. Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 30 ug/L from samples collected in 1981 which exceeds the water quality standards nutrient criterion for the Puget Lowlands Ecoregion.	460TBQ	18N	01W	35	Total Phosphorus	Water	Completed Federal Clean Lakes Restoration Project in1987: Entranco Engineer's, 1987. Control Measures Implemented Phosphorus precipitation/inactivation, aquatic macrophyte harvesting, public education. Monitoring is being conducted under Ecology's Lake Water Quality Assessment Program and Thurston County. Welch and Cooke (1995) monitored the effectiveness of the control and showed only a 1 ug/L increase in whole-lake phosphorus 7 years after implementation.
13	3763	5	Y	REICHEL CREEK Seven excursions beyond the criterion collected by Thurston County (submitted by Sue Davis on 3/28/96) between 1992 and 1995.	PN14TO	0	16N	01E 27	Fecal Coliform	Water	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
13	40616	5	Y	SLEEPY (LIBBEY) CREEK Five excursions beyond the criterion collected by Thurston County (submitted by Sue Davis on 3/28/96) between 1992 and 1995.	UNK000	0	00U	000U 00	Dissolved oxygen	Water	There is no WASWIS ID for this segment. The stream to the west shore of Henderson Inlet into Chapman Cove. TRS 19N 02W-18.
13	40614	5	Y	SLEEPY (LIBBEY) CREEK Eleven excursions beyond the criterion collected by Thurston County (submitted by Sue Davis on 3/28/96) between 1992 and 1995.	UNK000	0	00U	000U 00	Fecal Coliform	Water	There is no WASWIS ID for this segment. The stream to the west shore of Henderson Inlet into Chapman Cove. TRS 19N-02W-18.

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Medium	Remarks			
drains	13	40615	5	Y	SLEEPY (LIBBEY) CREEK	UNK000	0	00U	000U	00	pH	Water	Six excursions beyond the criterion collected by Thurston County (submitted by Sue Davis on 3/28/96) between 1992 and 1995.	There is no WASWIS ID for this segment. The stream to the west shore of Henderson Inlet into Chapman Cove. TRS 19N-02W-18.
	13	35941	5	N	SQUAXIN, PEALE, AND PICKERING PASSAGES	390KRD	47122B9F0	47.155	122.905		Total PCBs	Tissue	Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of more than 5 muscle tissue tissue tissue tissue tissue samples collected in 1992-1993 from English sole (Pleuronectes vetulus) samples from station BDDINLET.	
	13	41709	5	N	SWIFT CREEK	GL11FO	0.058	18N	03W	24	Fecal Coliform	Water	Batts, D. and K. Seiders, (2003), station SCR shows the geometric mean of 122.0 exceeds the criterion and 2 of 8 samples (25%) collected in 2000 exceed the percentile criterion.	
	13	7022	5	Y	WARD LAKE	729WNB	18N	02W	38		Total PCBs	Tissue	Serdar, 1999. exceeded National Toxics Rule criterion in largemouth bass, rainbow trout, cuttthroat trout, and kokane collected in 1999.	
					Serdar, et al. 1994. excursions beyond the criterion in edible fish tissue.									
	13	3772	5	Y	WOODARD CREEK	MJ83ZH	0	19N	01W	19	Fecal Coliform	Water	Thurston County Environmental Health data (submitted by Sue Davis on 2/29/96) show geometric mean criteria are met in from 1993 to 1995.	Thurston County Environmental health data (submitted by Sue Davis on 2/29/96) also showed 8 excursions beyond criteria during 1993 and 1994. Therefore the category is changed from 1 to 5
	13	3772	5	Y	WOODARD CREEK	MJ83ZH	0	19N	01W	19	Fecal Coliform	Water	Thurston County Environmental Health data (submitted by Sue Davis on 2/29/96) show geometric mean criteria are met in from 1993 to 1995.	Thurston County Environmental health data (submitted by Sue Davis on 2/29/96) also showed 8 excursions beyond criteria during 1993 and 1994. Therefore the category is changed from 1 to 5
	13	3774	5	Y	WOODLAND CREEK	JH31LN	6.044	18N	01W	16	Dissolved oxygen	Water	Patterson and Dickes, 1994. 11 excursions beyond the upper criterion out of 30 samples (37%) at RM 4.2 between 1991 and 1993.;	
13	6657	5	Y	WOODLAND CREEK	JH31LN	6.044	18N	01W	16	Fecal Coliform	Water	Patterson and Dickes, 1993. 3 excursions beyond the upper criterion at RM 4.2 between 1991 and 1993. Patterson and Dickes, 1993. 5 excursions beyond the upper criterion at RM 3.8 between 1991 and 1993. Patterson and Dickes, 1993. 3 excursions beyond the upper criterion at RM 3.7 between 1991 and 1993. Patterson and Dickes, 1992. 2 excursions beyond the upper criterion at RM 4.2 during 1991 and 1992. Patterson and Dickes, 1992. 3 excursions beyond the upper criterion at RM 3.8 during 1991 and 1992.	Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
13	36180	5	N	WOODLAND CREEK Department of Ecology unpublished data from the Woodland Creek TMDL Study station WC01 show a 7-day mean of maximum value of 22.24 degrees C from continuous measurements collected in 2002.	JH31LN	0.034	19N	01W	33	Temperature		Water
13	36184	5	N	WOODLAND CREEK Department of Ecology unpublished data from the Woodland Creek TMDL Study station WC10 show a 7-day mean of maximum value of 22.06 degrees C from continuous measurements collected in 2002.	JH31LN	7.493	18N	01W	15	Temperature		Water
13	36185	5	N	WOODLAND CREEK Department of Ecology unpublished data from the Woodland Creek TMDL Study station WC11 show a 7-day mean of maximum value of 22.79 degrees C from continuous measurements collected in 2002.	JH31LN	7.893	18N	01W	22	Temperature		Water
14	40605	5	Y	BURNS CREEK Seiders, 1995. excursions beyond the criterion during 1992 to 1994 near the mouth of Burns Creek. Seiders and Cusimano, 1996. excursions beyond both criteria from 1992 to 1996 near the mouth of Burns Creek.	UNK000	0	00U	000U	00	Fecal Coliform	There is no WASWIS ID for this segment. The stream to Totten Inlet. TRS 19N-03W-27. JB 7-25-03: REASSESS Listing ID 40617 rolled into this listing. Listed 96 Flag to Y. -kk 04/06/04	Water
14	42362	5	N	BURNS CREEK Batts, D. and K. Seiders, (2003), station BUR shows the geometric mean of 349.6 exceeds the criterion and that 18 of 26 samples (69.2%) collected in 2001 exceed the percentile criterion.	UNK000	0	19N	03W	27	Fecal Coliform		Water
14	42363	5	N	BURNS CREEK Batts, D. and K. Seiders, (2003), station BUR shows the geometric mean of 77.9 exceeds the criterion and that 9 of 23 samples (39.1%) collected in 1997 exceed the percentile criterion.	UNK000	0	19N	03W	27	Fecal Coliform		Water
14	42364	5	N	BURNS CREEK Batts, D. and K. Seiders, (2003), station BUR shows the geometric mean of 154 exceeds the criterion and that 12 of 23 samples (52.2%) collected in 1998 exceed the percentile criterion.	UNK000	0	19N	03W	27	Fecal Coliform		Water
14	42365	5	N	BURNS CREEK Batts, D. and K. Seiders, (2003), station BUR shows the geometric mean of 83.5 exceeds the criterion and that 6 of 23 samples (26.1%) collected in 1996 exceed the percentile criterion.	UNK000	0	19N	03W	27	Fecal Coliform		Water
14	42366	5	N	BURNS CREEK Batts, D. and K. Seiders, (2003), station BUR shows the geometric mean of 143.6 exceeds the criterion and that 14 of 22 samples (63.6%) collected in 1995 exceed the percentile criterion.	UNK000	0	19N	03W	27	Fecal Coliform		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Remarks	Medium
				Basis							
14	42367	5	N	BURNS CREEK Batts, D. and K. Seiders, (2003), station BUR shows the geometric mean of 407.9 exceeds the criterion and that 20 of 28 samples (71.4%) collected in 2000 exceed the percentile criterion.	UNK000	0	19N	03W	27	Fecal Coliform	Water
14	42368	5	N	BURNS CREEK Batts, D. and K. Seiders, (2003) station BUR shows the geometric mean of 476.4 exceeds the criterion and that 26 of 30 samples (86.7%) collected in 1999 exceed the percentile criterion.	UNK000	0	19N	03W	27	Fecal Coliform	Water
14	42369	5	N	BURNS CREEK Batts, D. and K. Seiders, (2003), station BUR shows the geometric mean of 225.5 exceeds the criterion and that 6 of 28 samples (21.4%) collected in 1994 exceed the percentile criterion.	UNK000	0	19N	03W	27	Fecal Coliform	Water
14	42370	5	N	BURNS CREEK Batts, D. and K. Seiders, (2003), station BUR shows the geometric mean of 105.7 exceeds the criterion and that 8 of 21 samples (38.1%) collected in 1993 exceed the percentile criterion.	UNK000	0	19N	03W	27	Fecal Coliform	Water
14	42371	5	N	BURNS CREEK Batts, D. and K. Seiders, (2003), station BUR shows the geometric mean of 309 exceeds the criterion and that 6 of 8 samples (75.0%) collected in 1992 exceed the percentile criterion.	UNK000	0	19N	03W	27	Fecal Coliform	Water
14	42372	5	N	BURNS CREEK Batts, D. and K. Seiders, (2003), station BUR shows the geometric mean of 87.3 exceeds the criterion and that 9 of 24 samples (37.5%) collected in 2002 exceed the percentile criterion.	UNK000	0	19N	03W	27	Fecal Coliform	Water
14	42373	5	N	BURNS CREEK Batts, D. and K. Seiders, (2003), station BURCUL shows the geometric mean of 496.4 exceeds the criterion and that 20 of 27 samples (74.1%) collected in 2001 exceed the percentile criterion.	UNK000	0	19N	03W	27	Fecal Coliform	Water
14	42374	5	N	BURNS CREEK Batts, D. and K. Seiders, (2003), station BURCUL shows the geometric mean of 672.0 exceeds the criterion and that 11 of 13 samples (84.6153846153846%) collected in 2000 exceed the percentile criterion.	UNK000	0	19N	03W	27	Fecal Coliform	Water
14	42375	5	N	BURNS CREEK Batts, D. and K. Seiders, (2003), station BURCUL shows the geometric mean of 667.4 exceeds the criterion and that 6 of 6 samples (100%) collected in 1994 exceed the percentile criterion.	UNK000	0	19N	03W	27	Fecal Coliform	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
14	40624	5	Y	BURNS CREEK Seiders and Cusimano, 1996. 4 excursions beyond the criteria out of 18 samples (22%) from 1992 to 1996 near the mouth of Burns Creek.	UNK000	0	00U	000U	00	pH	This segment has no WASWIS. Drains to Totten Inlet. TRS 19N-03W-27.	Water
14	7596	5	Y	CAMPBELL CREEK Brown and Caldwell Consultants, 1990. , exceeds both criteria at station 73 (RM 0.5) during 1988.	BH46CN	1.309	20N	03W	13	Fecal Coliform		Water
14	24239	5	Y	CAMPBELL CREEK Squaxin Island tribe unpublished data from station Campbell 2 (At Agate Road culvert) show 75% of samples exceeds the percentile criterion out of 4 samples collected in 2002. Squaxin Island tribe unpublished data from station Campbell 2 (At Agate Road culvert) show a geometric mean of 295 cfu/100mL out of 4 samples collected in 2002. Squaxin Island tribe unpublished data from station Campbell 2 (At Agate Road culvert) show a geometric mean of 10 cfu/100mL out of 6 samples collected in 2001. Squaxin Island tribe unpublished data from station Campbell 1 (At Agate Loop bridge) show a geometric mean of 50 cfu/100mL out of 6 samples collected in 2002. Squaxin Island tribe unpublished data from station Campbell 1 (At Agate Loop bridge) show a geometric mean of 41 cfu/100mL out of 3 samples collected in 2001.	BH46CN	0	20N	03W	14	Fecal Coliform		Water
14	35988	5	N	CASE INLET AND DANA PASSAGE Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of more than 5 muscle tissue tissue tissue tissue samples collected in 1993 from English sole (Pleuronectes vetulus) samples from station CASEIN3.	390KRD	47122D8D0	47.335	122.805		Bis(2-ethylhexyl)phthalate		Tissue
14	23752	5	N	CRANBERRY CREEK Squaxin Island Tribe unpublished data from station Cranberry 1 (At Hwy 3 bridge) show a 7-day mean of daily maximum temperature of 19.71 degrees C from continuous measurements collected in 2000 and 18.31 degrees C from continuous measurements collected in 2001. Data from the Dept. of Ecology EIM database for the Project SPASM (SOUTH PUGET SOUND MODEL) station CRA05 (CRANBERRY CREEK AT HWY 3) shows 1 excursions beyond the criterion out of 7 samples collected between 03/99 - 09/99.	TX75AG	0.148	21N	03W	36	Temperature		Water
14	23753	5	N	CRANBERRY CREEK Squaxin Island Tribe unpublished data from station Cranberry 2 (At Mickelson Road bridge) show a 7-day mean of daily maximum temperature of 22.53 degrees C from continuous measurements collected in 2000 and 21.32 degrees C from continuous measurements collected in 2001.	TX75AG	3.564	21N	03W	34	Temperature		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
14	23754	5	N	CRANBERRY CREEK	TX75AG	4.942	21N	03W	27	Temperature		Water
Squaxin Island Tribe unpublished data from station Cranberry 3 (At Mason Lake Road bridge) show a 7-day mean of daily maximum temperature of 24.53 degrees C from continuous measurements collected in 2000 and 23.82 degrees C from continuous measurements collected in 2001.												
Squaxin Island Tribe unpublished data from station Cranberry 4 (Above Lake Limerick) show a 7-day mean of daily maximum temperature of 24.60 degrees C from continuous measurements collected in 2000 and 24.08 degrees C from continuous measurements collected in 2001.												
14	6659	5	Y	GOLDSBOROUGH CREEK	MI94TV	0	20N	03W	20	Fecal Coliform		Water
Michaud, 1988. samples taken between 10/7/1987 and 2/9/1988 at station G(0.0) show a geometric mean of 124 and 6 out of 6 samples exceed the criteria.											Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.	
14	10217	5	Y	GREAT BEND/LYNCH COVE	390KRD	47123D0F2	47.355	123.025		Dissolved oxygen		Water
Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station HCB004 (Hood Canal - Gt. Bend Sisters Point) shows 94 excursions beyond the criterions out of 94 samples collected between 1993-2000											This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo, 4/2005)	
14	6935	5	Y	GREAT BEND/LYNCH COVE	390KRD	47122E8C5	47.425	122.855		Fecal Coliform		Water
Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions beyond the criterion for both the geometric mean and the percentile criterion at station M4 between 8/1/90 and 8/1/91.												
Department of Health unpublished data collected from station HOOD CANAL #9-286 show a geometric mean of 7 cfu/100mL and 10% of samples exceed the percentile criterion with the last sample collected on 14-Nov-2001.												
14	39800	5	Y	HAMMERSLEY INLET	390KRD	47122B9J9	47.195	122.995		Fecal Coliform		Water
Department of Health unpublished data collected from station HAMMERSLEY INLET-100 show a geometric mean of 10 cfu/100mL and 13.33333333333333% of samples exceed the percentile criterion with the last sample collected on 6-Dec-2001.											TRS=22N-02W-22	
Department of Health unpublished data collected from station HAMMERSLEY INLET-111 show a geometric mean of 3 cfu/100mL and 0% of samples exceed the percentile criterion with the last sample collected on 27-Nov-2001.												
Department of Health unpublished data collected from station HAMMERSLEY INLET-112 show a geometric mean of 3 cfu/100mL and 0% of samples exceed the percentile criterion with the last sample collected on 27-Nov-2001.												
14	40619	5	Y	HAPPY HOLLOW CREEK	UNK000	0	00U	000U	00	Fecal Coliform		Water
Mason County Shellfish Protection Project. 5 excursions beyond the criterion at station S4 (at Happy Hollow Store) between 8/1/90 and 8/1/91.											The stream drains to the Lower Hood Canal. WASWIS=XR81NL, LWR=0.000, TRS=22N-02W-22.	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks				
4/2005)	14	40976	5	N	HOOD CANAL					390KRD	47123D0G0	47.365	123.005	Dissolved oxygen	Water	This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo, 4/2005)
	Newton (2004), Hood Canal Study station SSTRS shows 16 of 36 samples exceeded the criterion in year 2003, and 7 of 17 samples exceeded the criterion in year 2004.															
4/2005)	14	40989	5	N	HOOD CANAL					390KRD	47122D9J2	47.395	122.925	Dissolved oxygen	Water	This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo, 4/2005)
	Newton (2004), Hood Canal Study station LYNCH shows 34 of 52 samples exceeded the criterion in year 2003, and 14 of 25 samples exceeded the criterion in year 2004.															
4/2005)	14	40990	5	N	HOOD CANAL					390KRD	47122D9J1	47.395	122.915	Dissolved oxygen	Water	This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo, 4/2005)
	Newton (2004), Hood Canal Study station LYNCHN shows 17 of 36 samples exceeded the criterion in year 2003, and 7 of 15 samples exceeded the criterion in year 2004.															
	14	23751	5	N	JOHNS CREEK					HL95GY	3.2	20N	03W	05	Temperature	Water
	Squaxin Island Tribe unpublished data from station Johns 2 (At Johns Creek Drive gage) show a 7-day mean of daily maximum temperature of 19.65 degrees C from continuous measurements collected in 2000 and 18.25 degrees C from continuous measurements collected in 2001.															
	14	41467	5	N	KENNEDY CREEK					AO33HF	0.039	19N	03W	32	Dissolved oxygen	Water
	Batts, D. and K. Seiders, (2003), station KND shows 1 sample exceeded the criterion in year 1993, 1 sample exceeded the criterion in year 1994 and 2 samples exceeded the criterion in year 1999.															
	14	41736	5	N	KENNEDY CREEK					AO33HF	0.039	19N	03W	32	Fecal Coliform	Water
	Batts, D. and K. Seiders, (2003), station KND shows that 4 of 36 samples (11.1%) collected in 2001 exceed the percentile criterion.															
	14	24237	5	N	MALANEY CREEK					ZY55KI	0	20N	03W	01	Fecal Coliform	Water
	Squaxin Island tribe unpublished data from station Malaney 1 (At Agate Road culvert) show a geometric mean of 119 cfu/100mL out of 6 samples collected in 2002. Squaxin Island tribe unpublished data from station Malaney 1 (At Agate Road culvert) show a geometric mean of 45 cfu/100mL out of 3 samples collected in 2001.															
	14	40597	5	N	MILL CREEK					ML22SI	2.656	20N	03W	35	Temperature	Water
	Squaxin Island Tribe unpublished data from station Mill 1 (on dirt trail off Fireweed lane) show a 7-day mean of daily maximum temperature of 21.74 degrees C from continuous measurements collected in 2000.															

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
14	40598	5	N	MILL CREEK	ML22SI	11.414	20N	03W	30	Temperature		Water
Squaxin Island Tribe unpublished data from station Mill 2 (at the diner) show a 7-day mean of daily maximum temperature of 23.02 degrees C from continuous measurements collected in 2000 and 23.08 degrees C from continuous measurements collected in 2001.												
14	40599	5	N	MILL CREEK	ML22SI	13.363	20N	03W	31	Temperature		Water
Squaxin Island Tribe unpublished data from station Mill 3 (at Storybrook Bridge) show a 7-day mean of daily maximum temperature of 23.70 degrees C from continuous measurements collected in 2000 and 23.57 degrees C from continuous measurements collected in 2001.												
14	39872	5	N	OAKLAND BAY	390KRD	47123C0F2	47.255		123.025	Fecal Coliform		Water
Department of Health unpublished data collected from station OAKLAND BAY-129 show a geometric mean of 7 cfu/100mL and 13.33% of samples exceed the percentile criterion with the last sample collected on 6-Dec-2001.												
14	12582	5	N	PERRY CREEK	FE29VY	0.21	18N	03W	13	Fecal Coliform		Water
Batts, D. and K. Seiders, (2003), station PRY shows that 6 of 41 samples (14.6%) collected in 2001 exceed the percentile criterion.												
National Monitoring Program unpublished data (submitted by David Batts on 13 December 2002) show no excursions beyond the the geometric mean criterion in the wet seasons from 1992-2002.												
National Monitoring Program unpublished data (submitted by David Batts on 13 December 2002) show excursions beyond the the percentile criterion in the wet seasons from 2001-2002.												
National Monitoring Program unpublished data (submitted by David Batts on 13 December 2002) show no excursions beyond the the geometric mean criterion in the dry seasons from 1999-2002.												
National Monitoring Program unpublished data (submitted by David Batts on 13 December 2002) show excursions beyond the the percentile criterion in the dry seasons from 1999-2002.												
14	41876	5	N	PIERRE CREEK	UNK000	0	19N	03W	27	Dissolved oxygen		Water
Batts, D. and K. Seiders, (2003), station PIE shows 1 sample exceeded the criterion in year 1993 and 2 samples exceeded the criterion in year 1999.												
14	40958	5	Y	PIERRE CREEK	UNK000	0	00U	000U	00	Fecal Coliform		Water
Seiders and Cusimano, 1996, excursions beyond both fecal coliform criteria from 1992 to 1996 near the mouth of Pierre Creek.												
14	40959	5	Y	PIERRE CREEK	UNK000	0	00U	000U	00	Fecal Coliform		Water
Seiders, 1995, excursions beyond the criterion during 1992 to 1994 near the mouth of Pierre Creek.												
14	41944	5	N	PIERRE CREEK	UNK000	0	19N	03W	27	Fecal Coliform		Water
Batts, D. and K. Seiders, (2003), station PIE shows the geometric mean of 132.5 exceeds the criterion and that 14 of 35 samples (40%) collected in 2001 exceed the percentile criterion.												

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Remarks	Medium
				Basis							
14	41945	5	N	PIERRE CREEK	UNK000	0	19N	03W	27	Fecal Coliform	Water
				Batts, D. and K. Seiders, (2003), station PIE shows the geometric mean of 78.3 exceeds the criterion and that 6 of 23 samples (26.1%) collected in 1997 exceed the percentile criterion.							
14	41946	5	N	PIERRE CREEK	UNK000	0	19N	03W	27	Fecal Coliform	Water
				Batts, D. and K. Seiders, (2003), station PIE shows the geometric mean of 59.9 exceeds the criterion and that 6 of 22 samples (27.3%) collected in 1998 exceed the percentile criterion.							
14	41947	5	N	PIERRE CREEK	UNK000	0	19N	03W	27	Fecal Coliform	Water
				Batts, D. and K. Seiders, (2003), station PIE shows the geometric mean of 141.1 exceeds the criterion and that 15 of 23 samples (65.2%) collected in 1996 exceed the percentile criterion.							
14	41948	5	N	PIERRE CREEK	UNK000	0	19N	03W	27	Fecal Coliform	Water
				Batts, D. and K. Seiders, (2003), station PIE shows the geometric mean of 269.7 exceeds the criterion and that 19 of 23 samples (82.6%) collected in 1995 exceed the percentile criterion.							
14	41949	5	N	PIERRE CREEK	UNK000	0	19N	03W	27	Fecal Coliform	Water
				Batts, D. and K. Seiders, (2003), station PIE shows the geometric mean of 71.7 exceeds the criterion and that 7 of 30 samples (23.3%) collected in 2000 exceed the percentile criterion.							
14	41950	5	N	PIERRE CREEK	UNK000	0	19N	03W	27	Fecal Coliform	Water
				Batts, D. and K. Seiders, (2003), station PIE shows the geometric mean of 96.0 exceeds the criterion and that 14 of 33 samples (42.4%) collected in 1999 exceed the percentile criterion.							
14	41951	5	N	PIERRE CREEK	UNK000	0	19N	03W	27	Fecal Coliform	Water
				Batts, D. and K. Seiders, (2003), station PIE shows the geometric mean of 128.0 exceeds the criterion and that 17 of 29 samples (58.6%) collected in 1994 exceed the percentile criterion.							
14	41952	5	N	PIERRE CREEK	UNK000	0	19N	03W	27	Fecal Coliform	Water
				Batts, D. and K. Seiders, (2003), station PIE shows that 5 of 20 samples (25%) collected in 1993 exceed the percentile criterion.							
14	41953	5	N	PIERRE CREEK	UNK000	0	19N	03W	27	Fecal Coliform	Water
				Batts, D. and K. Seiders, (2003), station PIE shows the geometric mean of 169.0 exceeds the criterion and that 3 of 8 samples (37.5%) collected in 1992 exceed the percentile criterion.							

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information			Parameter	Remarks	Medium
14	41954	5	N	PIERRE CREEK Batts, D. and K. Seiders, (2003), station PIE shows the geometric mean of 51.5 exceeds the criterion and that 7 of 24 samples (29.2%) collected in 2002 exceed the percentile criterion.	UNK000	0	19N 03W 27	Fecal Coliform		Water
14	40957	5	Y	PIERRE CREEK Seiders and Cusimano, 1996, 4 excursions beyond the criteria out of 18 samples (22%) from 1992 to 1996 near the mouth of Pierre Creek.	UNK000	0	00U 000U 00	pH		Water
14	41468	5	N	SCHNEIDER CREEK Batts, D. and K. Seiders, (2003), station SHN shows 1 sample exceeded the criterion in year 1993 and 4 samples exceeded the criterion in year 1999.	ER21HD	0.339	19N 03W 33	Dissolved oxygen		Water
14	12583	5	N	SCHNEIDER CREEK Batts, D. and K. Seiders, (2003), station SHN shows that 1 of 24 samples (4.2%) collected in 2002 exceed the percentile criterion. Batts, D. and K. Seiders, (2003), station SHN shows that 15 of 42 samples (35.7%) collected in 2001 exceed the percentile criterion. Batts, D. and K. Seiders, (2003), station SHN shows that 2 of 40 samples (5%) collected in 2000 exceed the percentile criterion. Batts, D. and K. Seiders, (2003), station SHN shows that 4 of 40 samples (10%) collected in 1999 exceed the percentile criterion. Batts, D. and K. Seiders, (2003), station SHN shows that 5 of 28 samples (17.9%) collected in 1998 exceed the percentile criterion. Batts, D. and K. Seiders, (2003), station SHN shows that 1 of 21 samples (4.7%) collected in 1997 exceed the percentile criterion. Batts, D. and K. Seiders, (2003), station SHN shows that 1 of 23 samples (4.3%) collected in 1996 exceed the percentile criterion. Batts, D. and K. Seiders, (2003), station SHN shows that 1 of 23 samples (4.3%) collected in 1995 exceed the percentile criterion. Batts, D. and K. Seiders, (2003), station SHN shows that 5 of 29 samples (17.2%) collected in 1994 exceed the percentile criterion. Batts, D. and K. Seiders, (2003), station SHN shows that 2 of 22 samples (9.1%) collected in 1993 exceed the percentile criterion. Batts, D. and K. Seiders, (2003), station SHN shows the geometric mean of 73.3 exceeds the criterion and that 3 of 8 samples (37.5%) collected in 1992 exceed the percentile criterion. National Monitoring Program unpublished data (submitted by David Batts on 13 December 2002) show no excursions beyond the the geometric mean criterion in the wet seasons from 1992-2002. National Monitoring Program unpublished data (submitted by David Batts on 13 December 2002) show excursions beyond the the percentile criterion in the wet seasons from 1992-1993, 1994-1995, 1998-1999, and 2000-2001. National Monitoring Program unpublished data (submitted by David Batts on 13 December 2002) show no excursions beyond the the geometric mean criterion in the dry seasons from 2000-2001. National Monitoring Program unpublished data (submitted by David Batts on 13 December 2002) show excursions beyond the the percentile criterion in the dry seasons from 1999-2001.	ER21HD	0.339	19N 03W 33	Fecal Coliform		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
14	6660	5	Y	SHELTON CREEK Michaud, 1988. samples taken at station S(0.2) between 10/7/1987 and 2/9/1988 show a geometric mean of 147 and 4 out of 8 samples exceed the criteria.	JZ99VQ	0.032	20N	03W	20	Fecal Coliform	Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.	Water
14	6658	5	Y	SHELTON HARBOR (INNER) Michaud, 1987. samples taken at station 34 between 2/25/1987 and 5/27/1987 have a geometric mean of 280 with 4 out of 6 samples exceeding the critria.	390KRD	47123C0A9	47.205	123.095		Fecal Coliform	Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.	Water
14	7601	5	Y	SKOOKUM CREEK Data collected by the Squaxin Island Tribe (submitted by Jim Albrecht on 10/31/97) show 2 excursions beyond the upper criterion at a station just west of Hwy 101 on 9/15/95 and 4/24/96. Squaxin Island tribe unpublished data from station Skookum 3 (Hwy 108 @ RM 2.2) show a geometric mean of 37 cfu/100mL out of 3 samples collected in 2002. Squaxin Island tribe unpublished data from station Skookum 3 (Hwy 108 @ RM 2.2) show a geometric mean of 14 cfu/100mL out of 10 samples collected in 2001. Squaxin Island tribe unpublished data from station Skookum 3 (Hwy 108 @ RM 2.2) show a geometric mean of 74 cfu/100mL out of 6 samples collected in 2000.	BI64LF	1.706	19N	03W	19	Fecal Coliform	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	Water
14	23758	5	N	SKOOKUM CREEK Squaxin Island Tribe unpublished data from station Skookum 3 (Hwy 108 @ RM 2.2) show a 7-day mean of daily maximum temperature of 17.93 degrees C from continuous measurements collected in 2002.	BI64LF	1.706	19N	03W	19	Temperature		Water
14	35987	5	N	SQUAXIN, PEALE, AND PICKERING PASSAGES Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of more than 5 muscle tissue tissue tissue tissue samples collected in 1993 from English sole (Pleuronectes vetulus) samples from station PICKERNG.	390KRD	47122C8J7	47.295	122.875		Bis(2-ethylhexyl)phthalate		Tissue
14	36025	5	N	SQUAXIN, PEALE, AND PICKERING PASSAGES Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of more than 5 muscle tissue tissue tissue tissue tissue samples collected in 1993 and 1996 from English sole (Pleuronectes vetulus) samples from station PICKERNG.	390KRD	47122C8J7	47.295	122.875		Total PCBs		Tissue
14	6965	5	N	SUNSET BEACH CREEK Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions beyond the criterion for both the geometric mean and the percentile criterion at station S6 between 8/1/90 and 8/1/91.	NB28QT	0.067	22N	02W	12	Fecal Coliform		Water
14	6961	5	N	TWANOH CREEK Mason County unpublished data (submitted by Wayne Clifford on 8/91) meet the criterion for the geometric mean, but exceeds the percentile criterion at station S1 between 8/1/90 and 8/1/91.	KH25TG	0	22N	02W	19	Fecal Coliform		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium	Remarks	
14	6964	5	N	TWANOH FALLS CREEK	HL04LK	0	22N	02W	21	Fecal Coliform	Water	Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions beyond the criterion for both the geometric mean and the percentile criterion at station S2 between 8/1/90 and 8/1/91.
14	40618	5	Y	UNCLE JOHN CREEK	UNK000	0	00U	000U	00	Fecal Coliform	Water	Brown and Caldwell Consultants, 1990. multiple excursions beyond the criterion at station 78 (RM 0.1) during 1988. Brown and Caldwell Consultants, 1990. multiple excursions beyond the criterion at station 79 (RM 0.3) during 1988. Brown and Caldwell Consultants, 1990. multiple excursions beyond the criterion at station 80 (RM 2.2) during 1988. There is no WASWIS ID for this stream. It drains to Chapman Cove. TRS=20N-03W-14.
14	6966	5	N	UNNAMED CREEK	PW17OV	0	22N	02W	12	Fecal Coliform	Water	Mason County unpublished data (submitted by Wayne Clifford on 8/91) meet the criterion for the geometric mean, but exceeds the percentile criterion at station S7 between 8/1/90 and 8/1/91.
15	7604	5	Y	ANNAPOLIS CREEK	CS87QP	1.4	24N	01E	36	Fecal Coliform	Water	Bremerton-Kitsap Health District data shows 2 excursion beyond the upper criterion station APO2 -(at Hwy 160 crossing) on 4/29/92 and 6/2/92 ANNAPOLIS CREEK has no WASWIS and is located west of KARCHER CREEK. -kk Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
15	38405	5	N	ANNAPOLIS CREEK	CS87QP	0	24N	01E	25	Fecal Coliform	Water	Kitsap County unpublished data show a geometric mean of 297 cfu/100mL with 64% of the samples above the percentile criterion out of 11 samples collected in 2002 at station AP01. ANNAPOLIS CREEK has no WASWIS and is located west of KARCHER CREEK. -kk
15	42999	5	N	BALCH AND CORMORANT PASSAGES	390KRD	47122C6B2	47.215	122.625		Dissolved oxygen	Water	South Puget Sound Area Synthesis Model (SPASM) Water Quality Study (D.O. Titration samples, submitted by Jan Newton, Ecology on 3/8/2004), station 68 shows at least one excursion beyond the criterion in 2001 (sample collected on 9/27/2001); and at at least one excursion beyond the criterion in 2002 (sample collected on 10/3/2002).

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
15	7605	5	Y	BARKER CREEK Grellner, 1991. , exceeds the percentile criterion at station BA01 between 12/89 and 2/91. Grellner, 1991. , exceeds both criteria at station BA02 between 12/89 and 2/91. Grellner, 1991. , exceeds the percentile criterion at station BA03 between 12/89 and 2/91. Kitsap County unpublished data show a geometric mean of 121 cfu/100mL with 46% of the samples above the percentile criterion out of 13 samples collected in 2002 at station BK01. Kitsap County unpublished data show a geometric mean of 108 cfu/100mL with 33% of the samples above the percentile criterion out of 12 samples collected in 2002 at station BK02.	IQ67FF	0.018	25N	01E	22	Fecal Coliform		Water
15	7608	5	Y	BARKER CREEK Grellner, 1991. , exceeds both criteria at station BA04 between 12/89 and 2/91. Kitsap County unpublished data show a geometric mean of 55 cfu/100mL with 23% of the samples above the percentile criterion out of 13 samples collected in 2002 at station BK03.	IQ67FF	2.169	25N	01E	15	Fecal Coliform		Water
15	7610	5	Y	BEAVER CREEK Bremerton-Kitsap Health District data show excursions beyond the criterion at station BV01 (EPA Manchester lab entrance) on 6/2/92 and 3/15/93. Kitsap County unpublished data show a geometric mean of 169 cfu/100mL with 80% of the samples above the percentile criterion out of 10 samples collected in 2002 at station BV01.	LS41EH	0	24N	02E	16	Fecal Coliform	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	Water
15	7611	5	Y	BEAVER CREEK Bremerton-Kitsap Health District data show excursions beyond the criterion at station BV02 (Woods road crossing) on 6/2/92 and 3/15/93.	LS41EH	3.438	24N	02E	29	Fecal Coliform	TRS was 24N-02E-20 on 1998 list. -kk Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	Water
15	7613	5	Y	BIG BEEF CREEK Port Gamble S'Klallam Tribal data (submitted by Peter Bahls on 10/13/97) show 22 excursions beyond the criterion out of 22 samples (100%) at Big Beef Creek RM 5.0 between 1992 and 1994.	FB10GH	6.075	24N	01W	04	Temperature	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
15	21916	5	N	BIG BEEF CREEK Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements collected in 1993, 1997 and 2001 at NW Holly Rd. Labbe et al. 2002, shows no excursions beyond the criterion from the annual 7-day mean of daily maximum temperature from continuous measurements collected in 2001-2002 at NW Holly Rd. Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements collected in 1993-1997 and 2001-2002 below Lake Symington. Labbe et al. 2002, shows excursions beyond the criterion from the annual 7-day mean of daily maximum temperature from continuous measurements collected in 1996-1997 and 2001-2002 below Lake Symington. Kitsap County unpublished data show excursions beyond the criterion in measurements collected in 1996-2001 at station BB02. Kitsap County unpublished data show no excursions beyond the criterion in measurements collected in 1996-2001 at station BB03.	FB10GH	8.145	24N	01W	05	Temperature	Water
15	21918	5	Y	BIG BEEF CREEK Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements collected in 1993-1997 and 2001-2002 at UW Research Station. Labbe et al. 2002, shows excursions beyond the criterion from the annual 7-day mean of daily maximum temperature from continuous measurements collected in 1996-1997 and 2001-2002 at UW Research Station. Summers (2001) station SRIW1501 (WATER QUALITY AT BBC UW GRAVEL RD) shows 0 excursions beyond the criterion out of 9 samples collected between 10/00 - 09/01.	FB10GH	0.195	25N	01W	22	Temperature	Water
15	21919	5	N	BIG BEEF CREEK Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements collected in 1997 and 2001-2002 at Kidhaven Ln. Labbe et al. 2002, shows excursions beyond the criterion from the annual 7-day mean of daily maximum temperature from continuous measurements collected in 1997 and 2001-2002 at Kidhaven Ln.	FB10GH	3.737	25N	01W	34	Temperature	Water
15	38444	5	N	BIG SCANDIA CREEK Kitsap County unpublished data show a geometric mean of 28 cfu/100mL with 20% of the samples above the percentile criterion out of 10 samples collected in 2002 at station BS01. Liberty Bay Foundation unpublished data (submitted by Luis Barrantes on 12 Decemeber 2002) from station LBNS-36 (Big Scandia Creek @ Scandia Road crossing) show a geometric mean of 63 cfu/100mL from samples collected in 2001-2002.	CC82SQ	0.003	26N	01E	27	Fecal Coliform	Water
15	23693	5	N	BJORGEN CREEK Liberty Bay Foundation unpublished data (submitted by Luis Barrantes on 12 Decemeber 2002) from station LBNS-30 (Bjorgen Creek @ Lemolo Shore Drive crossing (access @ Lemolo Store)) show a geometric mean of 147 cfu/100mL from samples collected in 2001-2002.	IS22QB	0.005	26N	01E	25	Fecal Coliform	Water
15	7615	5	Y	BLACKJACK CREEK Bremerton-Kitsap Health District data show excursions beyond the criterion at station BJ01 (mouth off Maple Ave above tidal influence) on 4/30/92, 6/1/92, and 5/20/93.	LK41ZU	0.578	24N	01E	26	Fecal Coliform	Water
										Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Medium	Remarks	
15	7616	5	Y	BLACKJACK CREEK Bremerton-Kitsap Health District data show excursions beyond the criterion at station BJ02 (at Tremont road) on 4/29/92, and 6/2/92.	LK41ZU	1.085	24N	01E	35	Fecal Coliform	Water	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
15	7617	5	Y	BLACKJACK CREEK Bremerton-Kitsap Health District data show excursions beyond the criterion at station BJ03 (at Sedwick road) on 4/29/92, and 6/2/92. Kitsap County unpublished data show a geometric mean of 42 cfu/100mL with 18% of the samples above the percentile criterion out of 11 samples collected in 2002 at station BJ03.	LK41ZU	4.797	23N	01E	11	Fecal Coliform	Water	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
15	7618	5	Y	BLACKJACK CREEK Bremerton-Kitsap Health District data show excursions beyond the criterion at station SQ01 (on Square Creek near the mouth) on 4/30/92, and 6/2/92. Kitsap County unpublished data show a geometric mean of 65 cfu/100mL with 18% of the samples above the percentile criterion out of 11 samples collected in 2002 at station BJ01.	LK41ZU	0.018	24N	01E	25	Fecal Coliform	Water	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
15	38460	5	N	BOYCE CREEK Kitsap County unpublished data show a geometric mean of 12 cfu/100mL with 25% of the samples above the percentile criterion out of 8 samples collected in 2002 at station BY01.	ED35FX	0	25N	02W	34	Fecal Coliform	Water	
15	38475	5	N	BURLEY CREEK Kitsap County unpublished data show excursions beyond the criterion in measurements collected in 1996-2000 at station BL06.	NQ77DR	6.267	23N	01E	24	Dissolved oxygen	Water	
15	38479	5	N	CARPENTER CREEK Kitsap County unpublished data show excursions beyond the criterion in measurements collected in 1996-2001. Stillwaters Environmental Education Center unpublished data show excursions beyond the criterion from measurements collected in 2001 and 2002.	LJ90XO	0.04	27N	02E	26	Dissolved oxygen	Water	
15	36192	5	N	CARPENTER CREEK Stillwaters Environmental Education Center unpublished data show excursions beyond the percentile criterion from 9 samples collected in 2002. Stillwaters Environmental Education Center unpublished data show no excursions beyond the geometric mean and the percentile criterion from samples collected in 2001 and 2002. Kitsap County unpublished data show a geometric mean of 40 cfu/100mL with 27% of the samples above the percentile criterion out of 11 samples collected in 2002.	LJ90XO	0.04	27N	02E	26	Fecal Coliform	Water	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
15	36197	5	N	CARPENTER CREEK	PS91TZ	0.08	27N	02E	27	Fecal Coliform		Water
Stillwaters Environmental Education Center unpublished data show excursions beyond both the geometric mean and the percentile criterion from samples collected in 2001 and 2002.												
15	38482	5	N	CARPENTER CREEK	LJ90XO	0.04	27N	02E	26	Temperature		Water
Kitsap County unpublished data show excursions beyond the criterion in measurements collected in 1998, 1999, and 2000.												
Stillwaters Environmental Education Center unpublished data show no excursions beyond the criterion from measurements collected in 2001 and 2002.												
15	10229	5	Y	CARR INLET	390KRD	47122C7H0	47.275		122.705	Dissolved oxygen		Water
Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station CRR001 (Carr Inlet - Off Green Point) shows 26 excursions beyond the criterions out of 48 samples collected between 1993-2000											This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo, 4/2005)	
15	43000	5	N	CARR INLET	390KRD	47122C6D5	47.235		122.655	Dissolved oxygen		Water
South Puget Sound Area Synthesis Model (SPASM) Water Quality Study (D.O. Titration samples, submitted by Jan Newton, Ecology on 3/8/2004), station 69 shows at least one excursion beyond the criterion in 2001 (sample collected on 9/27/2001); and at at least one excursion beyond the criterion in 2002 (sample collected on 10/3/2002).											This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo, 4/2005)	
15	43001	5	N	CARR INLET	390KRD	47122C6F9	47.255		122.695	Dissolved oxygen		Water
South Puget Sound Area Synthesis Model (SPASM) Water Quality Study (D.O. Titration samples, submitted by Jan Newton, Ecology on 3/8/2004), station 70 shows at least one excursion beyond the criterion in 2001 (sample collected on 9/27/2001); and at at least one excursion beyond the criterion in 2002 (sample collected on 10/3/2002).											This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo, 4/2005)	
15	43002	5	N	CARR INLET	390KRD	47122D7B0	47.315		122.705	Dissolved oxygen		Water
South Puget Sound Area Synthesis Model (SPASM) Water Quality Study (D.O. Titration samples, submitted by Jan Newton, Ecology on 3/8/2004), station 72 shows at least one excursion beyond the criterion in 2001 (sample collected on 9/27/2001); and at at least one excursion beyond the criterion in 2002 (sample collected on 10/3/2002).											This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo, 4/2005)	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
15	43003	5	N	CARR INLET	390KRD	47122D6D9	47.335	122.695	Dissolved oxygen		Water
	South Puget Sound Area Synthesis Model (SPASM) Water Quality Study (D.O. Titration samples, submitted by Jan Newton, Ecology on 3/8/2004), station 73 shows at least one excursion beyond the criterion in 2001 (sample collected on 9/27/2001); and at at least one excursion beyond the criterion in 2002 (sample collected on 10/3/2002).									This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,	
	4/2005)										
15	6968	5	Y	CARR INLET	390KRD	47122C7G4	47.265	122.745	Fecal Coliform		Water
	Sandison and Hanowell, 1999. data were submitted only in hardcopy form that show numerous single event excusrions beyond the criterion from samples collected from 1996-1998. Tacoma-Pierce County Health department unpublished data (submitted by Ray Hanowell on 8/28/91) show the geometric mean did not exceed the criterion, but the percentile criterion was exceeded on 29-Jun-89 and 23-Oct-89 measured at multiple stations in Mayo Cove during 1989-1990.										
15	36343	5	N	CARR INLET	390KRD	47122C6B2	47.215	122.625	Total PCBs		Tissue
	Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of more than 5 muscle tissue tissue tissue tissue tissue samples collected in 1993 and 1996 from English sole (Pleuronectes vetulus) samples from station CARINLT1.										
15	36237	5	N	CASE INLET AND DANA PASSAGE	390KRD	47122B7J9	47.195	122.795	Bis(2-ethylhexyl)phthalate		Tissue
	Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of more than 5 muscle tissue samples collected in 1993 from English sole (Pleuronectes vetulus) samples from station CASEIN1.										
15	6951	5	Y	CASE INLET AND DANA PASSAGE	390KRD	47122D8H3	47.375	122.835	Fecal Coliform		Water
	Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions beyond the criterion for both the geometric mean and the percentile criterion at station M11 between 8/1/90 and 8/1/91.;										
15	6952	5	Y	CASE INLET AND DANA PASSAGE	390KRD	47122E8A1	47.405	122.815	Fecal Coliform		Water
	Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions beyond the criterion for both the geometric mean and the percentile criterion at station M3 between 8/1/90 and 8/1/91.;										
15	6953	5	Y	CASE INLET AND DANA PASSAGE	390KRD	47122D8I2	47.385	122.825	Fecal Coliform		Water
	Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions beyond the criterion for both the geometric mean and the percentile criterion at station M8 between 8/1/90 and 8/1/91.;										
	Department of Health unpublished data collected from station NORTH BAY-7 show a geometric mean of 10 cfu/100mL and 16.6666666666667% of samples exceed the percentile criterion with the last sample collected on 10-Dec-2001.										

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium	Remarks
				Basis							
15	6954	5	Y	CASE INLET AND DANA PASSAGE Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions beyond the criterion for both the geometric mean and the percentile criterion at stations M9 and M10 between 8/1/90 and 8/1/91.;	390KRD	47122D8H2	47.375	122.825	Fecal Coliform	Water	
				Department of Health unpublished data collected from station NORTH BAY-549 show a geometric mean of 13 cfu/100mL and 18.75% of samples exceed the percentile criterion with the last sample collected on 10-Dec-2001.							
				Department of Health unpublished data collected from station NORTH BAY-550 show a geometric mean of 17 cfu/100mL and 25% of samples exceed the percentile criterion with the last sample collected on 10-Dec-2001.							
15	6955	5	Y	CASE INLET AND DANA PASSAGE Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions beyond the criterion for both the geometric mean and the percentile criterion at stations M4, M5, M6, M7 between 8/1/90 and 8/1/91.;	390KRD	47122E8A2	47.405	122.825	Fecal Coliform	Water	
				Department of Health unpublished data collected from station NORTH BAY-575 show a geometric mean of 7 cfu/100mL and 0% of samples exceed the percentile criterion with the last sample collected on 10-Dec-2001.							
15	6957	5	N	CASE INLET AND DANA PASSAGE Mason County unpublished data (submitted by Wayne Clifford on 8/91) meet the criterion for the geometric mean, but exceeds the percentile criterion at station M2 between 8/1/90 and 8/1/91.;	390KRD	47122D8G0	47.365	122.805	Fecal Coliform	Water	
15	40177	5	N	CASE INLET AND DANA PASSAGE Department of Health unpublished data collected from station ROCKY BAY-22 show a geometric mean of 7 cfu/100mL and 13.33333333333333% of samples exceed the percentile criterion with the last sample collected on 10-Oct-2001.	390KRD	47122D7G8	47.365	122.785	Fecal Coliform	Water	
				Department of Health unpublished data collected from station ROCKY BAY-21 show a geometric mean of 7 cfu/100mL and 6.666666666666667% of samples exceed the percentile criterion with the last sample collected on 10-Oct-2001.							
				Department of Health unpublished data collected from station ROCKY BAY-25 show a geometric mean of 5 cfu/100mL and 6.666666666666667% of samples exceed the percentile criterion with the last sample collected on 10-Oct-2001.							
15	36342	5	N	CASE INLET AND DANA PASSAGE Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of more than 5 muscle tissue samples collected in 1993 and 1996 from English sole (Pleuronectes vetulus) samples from station CASEIN1.	390KRD	47122B7J9	47.195	122.795	Total PCBs	Tissue	
15	38486	5	N	CHICO CREEK Suquamish Tribe (2002) show the maximum 7-day mean of daily maximum values was 21.7 from continuous measurements collected in 2002.	GE63UG	0.023	24N	01E	05	Temperature	Water
				Suquamish Tribe (2002) show the maximum 7-day mean of daily maximum values was 18.5 from continuous measurements collected in 2002.							Changed from Category 1 to Category 5 on 01/20/05 due to consolidation with Listing ID 40749 (cat 5). -kk
				Kitsap County unpublished data show no excursions beyond the criterion in measurements collected in 1996-2001 at station CH01.							

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
15	40750	5	N	CHICO CREEK Suquamish Tribe (2002) show the maximum 7-day mean of daily maximum values was 18.2 from continuous measurements collected in 2002.	GE63UG	1.204	24N	01E	08	Temperature	Water
15	38495	5	N	CLEAR CREEK Kitsap County unpublished data show excursions beyond the criterion in measurements collected in 1996, 1997 and 2001 at station CC04.	TF15AC	1.784	25N	01E	09	Dissolved oxygen	Water
15	7623	5	Y	CLEAR CREEK Grellner, 1991. , exceeds both criteria at station CC01 between 12/89 and 2/91. Grellner, 1991. , exceeds both criteria at station CC02 between 12/89 and 2/91. Kitsap County unpublished data show a geometric mean of 107 cfu/100mL with 38% of the samples above the percentile criterion out of 13 samples collected in 2002 at station CC01. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 15C070 (CLEAR CR @ SILVERDALE) shows a geometric mean of 156 exceeds the criterion and that 67% of the samples exceeds the percentile criterion from 3 samples collected during 1997.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 15C070 (CLEAR CR @ SILVERDALE) shows a geometric mean of 81 does not exceed the criterion and that 22% of the samples exceeds the percentile criterion from 9 samples collected during 1998.	TF15AC	0.002	25N	01E	16	Fecal Coliform	Water
15	7625	5	Y	CLEAR CREEK Grellner, 1991. , exceeds both criteria at station CC03 between 12/89 and 2/91. Kitsap County unpublished data show a geometric mean of 52 cfu/100mL with 27% of the samples above the percentile criterion out of 11 samples collected in 2002 at station CC04.	TF15AC	1.784	25N	01E	09	Fecal Coliform	Water
15	7626	5	Y	CLEAR CREEK Grellner, 1991. , exceeds both criteria at station WF01 between 12/89 and 2/91. Grellner, 1991. , exceeds the percentile criterion at station BG01 between 12/89 and 2/91.	DT92SL	0	25N	01E	09	Fecal Coliform	Water
15	7627	5	Y	CLEAR CREEK Grellner, 1991. , exceeds both criteria at station CC04 between 12/89 and 2/91. Grellner, 1991. , exceeds the percentile criterion at station CC05 between 12/89 and 2/91. Grellner, 1991. , exceeds the percentile criterion at station KT01 between 12/89 and 2/91. Kitsap County unpublished data show a geometric mean of 47 cfu/100mL with 15% of the samples above the percentile criterion out of 13 samples collected in 2002 at station CC05.	TF15AC	3.422	25N	01E	04	Fecal Coliform	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
15	7628	5	Y	CLEAR CREEK Grellner, 1991. , exceeds both criteria at station RT01 between 12/89 and 2/91.	MV26EP	0	25N	01E	09	Fecal Coliform		Water
15	7632	5	Y	CLEAR CREEK Grellner, 1991. , exceeds the percentile criterion at station WF02 between 12/89 and 2/91.	JH59OI	0.271	25N	01E	05	Fecal Coliform		Water
15	38931	5	N	CLEAR CREEK Kitsap County unpublished data show a geometric mean of 33 cfu/100mL with 23% of the samples above the percentile criterion out of 13 samples collected in 2002 at station WC01.	DT92SL	1.064	25N	01E	08	Fecal Coliform	Name should be CLEAR CREEK, W.F. per Kitsap County Health (KCHD station WC01) -kk	Water
15	17161	5	N	CLEAR CREEK Davis et al. 1998. show the National Toxic Rule criterion was exceeded a composite of 5 fillets of Oncorhynchus clarkii collected on 9/21/1995 at station CLRCAM (CLEAR CREEK AT SILVERDALE). Davis et al. 1998. show no excursions beyond the National Toxic Rule criterion in a composite of 5 fillets of Oncorhynchus clarkii collected on 9/21/1995.	TF15AC	0.002	25N	01E	16	Total PCBs		Tissue
15	38519	5	N	COULTER CREEK Kitsap County unpublished data show excursions beyond the criterion in measurements collected in 1996-2001.	PT50XZ	8.866	23N	01W	24	Dissolved oxygen		Water
15	38521	5	N	COULTER CREEK Kitsap County unpublished data show 5 excursions beyond the criterion out of 18 measurements collected in 1996-2001.	PT50XZ	8.866	23N	01W	24	pH	Low pH	Water
15	38523	5	N	CURLEY CREEK Kitsap County unpublished data show excursions beyond the criterion in measurements collected in 1996, 1997 and 2001 at station CR01.	VZ64PA	0.032	23N	02E	04	Dissolved oxygen		Water
15	38524	5	N	CURLEY CREEK Kitsap County unpublished data show a geometric mean of 35 cfu/100mL with 27% of the samples above the percentile criterion out of 11 samples collected in 2002 at station CR01.	VZ64PA	0.032	23N	02E	04	Fecal Coliform		Water
15	38526	5	N	CURLEY CREEK Kitsap County unpublished data show excursions beyond the criterion in measurements collected in 1996, 1997, 1998, 1999, and 2001 at station CR01.	VZ64PA	0.032	23N	02E	04	Temperature	The measured excursions beyond the criterion are a natural condition due to lake outflow temperture per the 3 January 2003 submittal by Jim Zimny of Kitsap County. Ecology staff reviewed this listing in 2003 for natural conditions, but could not rule out the possibility that human activities contributed to the excursion(s).	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Remarks	Medium
				Basis							
15	36345	5	N	DALCO PASSAGE/POVERTY BAY	390KRD	47122D4C7	47.325	122.475	Total PCBs		Tissue
Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of more than 5 muscle tissue tissue tissue tissue tissue samples collected in 1996 from quillback rockfish (Sebastes maliger) samples from station DALCOPAS.											
15	35302	5	N	DICKERSON CREEK	NE95KG	1.393	24N	01E	18	Temperature	Water
Port Blakely Tree Farms unpublished data from station DI3 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 22.75 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station DI3 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 20.11 degrees C from continuous measurements collected in 2001. Port Blakely Tree Farms unpublished data from station DI3 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 20.81 degrees C from continuous measurements collected in 2000. Port Blakely Tree Farms unpublished data from station DI3 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 19.93 degrees C from continuous measurements collected in 1999.											
Port Blakely Tree Farms unpublished data from station DI2 (submitted by Blake Murden on 10 Decemeber 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.											
Port Blakely Tree Farms unpublished data from station DI2 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 16.4 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station DI2 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 16.56 degrees C from continuous measurements collected in 2001. Port Blakely Tree Farms unpublished data from station DI2 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 17.84 degrees C from continuous measurements collected in 2000. Port Blakely Tree Farms unpublished data from station DI2 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 16.56 degrees C from continuous measurements collected in 1999.											
Port Blakely Tree Farms unpublished data from station DI3 (submitted by Blake Murden on 10 Decemeber 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.											

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium	Remarks
				Basis							
15	35304	5	N	DICKERSON CREEK	NE95KG	2.647	24N	01W	13	Temperature	Water
<p>Port Blakely Tree Farms unpublished data from station DI6 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 19.65 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station DI6 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 19.82 degrees C from continuous measurements collected in 2001. Port Blakely Tree Farms unpublished data from station DI6 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 19.98 degrees C from continuous measurements collected in 2000. Port Blakely Tree Farms unpublished data from station DI6 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 18.72 degrees C from continuous measurements collected in 1999.</p> <p>Port Blakely Tree Farms unpublished data from station DI5 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 15.43 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station DI5 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 16.23 degrees C from continuous measurements collected in 2001. Port Blakely Tree Farms unpublished data from station DI5 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 15.94 degrees C from continuous measurements collected in 2000. Port Blakely Tree Farms unpublished data from station DI5 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 15.09 degrees C from continuous measurements collected in 1999.</p> <p>Port Blakely Tree Farms unpublished data from station DI6 (submitted by Blake Murden on 10 Decemeber 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.</p> <p>Port Blakely Tree Farms unpublished data from station DI5 (submitted by Blake Murden on 10 Decemeber 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.</p>											
15	38539	5	N	DOGFISH CREEK, E.F.	AE23TW	0	26N	01E	11	Dissolved oxygen	Water
Kitsap County unpublished data show excursions beyond the criterion in measurements collected in 1996, 1997, 1998, and 1999 at station ED01.											
15	8699	5	Y	DYES INLET AND PORT WASHINGTON NARROWS	390KRD	47122F6I8	47.585	122.685	Mercury	Tissue	Reference is not in the Administartive Record. The water segment is listed Category 5 based on the 1998
assessment.											
15	8719	5	Y	EAGLE HARBOR	390KRD	47122G4E7	47.645	122.475	BENZO(A)ANTHRACENE	Tissue	
Yake, et al. 1984. , excursions beyond the criterion in edible shellfish tissue samples.											
15	8718	5	Y	EAGLE HARBOR	390KRD	47122G4E7	47.645	122.475	Benzo(a)pyrene	Tissue	
Yake, et al. 1984. , excursions beyond the criterion in edible shellfish tissue samples.											
15	8721	5	Y	EAGLE HARBOR	390KRD	47122G4E7	47.645	122.475	Benzo(b)fluoranthene	Tissue	
Yake, et al. 1984. , excursions beyond the criterion in edible shellfish tissue samples.											

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
15	8722	5	Y	EAGLE HARBOR Yake, et al. 1984. , excursions beyond the criterion in edible shellfish tissue samples.	390KRD	47122G4E7	47.645	122.475	Benzo(k)fluoranthene		Tissue
15	8720	5	Y	EAGLE HARBOR Yake, et al, 1984. Excursions beyond the criterion in edible shellfish tissue samples.	390KRD	47122G4E7	47.645	122.475	Chrysene		Tissue
15	8723	5	Y	EAGLE HARBOR Yake, et al. 1984. , excursions beyond the criterion in edible shellfish tissue samples.	390KRD	47122G4E7	47.645	122.475	Dibenzo(a,h)anthracene		Tissue
15	8724	5	Y	EAGLE HARBOR Yake, et al. 1984. , excursions beyond the criterion in edible shellfish tissue samples.	390KRD	47122G4E7	47.645	122.475	Indeno(1,2,3-cd)pyrene		Tissue
15	8717	5	Y	EAGLE HARBOR Yake, et al. 1984. excursions beyond the criterion in edible shellfish tissue samples.	390KRD	47122G4E7	47.645	122.475	Total PCBs		Tissue
15	21914	5	N	GAMBLE CREEK Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements collected in 1996 at Stevens-Uhler Rd. Labbe et al. 2002, shows excursions beyond the criterion from the annual 7-day mean of daily maximum temperature from continuous measurements collected in 1996 at Stevens-Uhler Rd.	PQ58EB	2.181	27N	02E	31	Temperature	Water
15	21915	5	N	GAMBLE CREEK Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements collected in 1996 at Rova Rd. Labbe et al. 2002, shows excursions beyond the criterion from the annual 7-day mean of daily maximum temperature from continuous measurements collected in 1996 at Rova Rd. Labbe et al. 2002, shows no excursions beyond the criterion from instanatenous measurements collected in 1996 and 2001-2002 at Rova Rd. Labbe et al. 2002, shows no excursions beyond the criterion from the annual 7-day mean of daily maximum temperature from continuous measurements collected in 1996 and 2001-2002 at Rova Rd. Kitsap County unpublished data show no excursions beyond the criterion in measurements collected in 1996-2001 at station PG03.	PQ58EB	3.766	26N	02E	06	Temperature	Water
15	21917	5	Y	GAMBLE CREEK Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements collected in 1992-1996 at Bond Rd/SR 307. Labbe et al. 2002, shows excursions beyond the criterion from the annual 7-day mean of daily maximum temperature from continuous measurements collected in 1996 and 2001-2002 at Bond Rd/SR 307. Kitsap County unpublished data show no excursions beyond the criterion in measurements collected in 1996-2001 at station PG02.	PQ58EB	0.249	27N	02E	29	Temperature	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
4/2005)	15	10247	5	Y	GREAT BEND/LYNCH COVE Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station HCB007 (Hood Canal - Lynch Cove) shows 52 excursions beyond the criterions out of 57 samples collected between 1993-2000	390KRD	47122D9J2	47.395	122.925	Dissolved oxygen	Water
										This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,	
	15	6937	5	Y	GREAT BEND/LYNCH COVE Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions beyond the criterion for both the geometric mean and the percentile criterion at station M1 between 8/1/90 and 8/1/91. Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions beyond the criterion for both the geometric mean and the percentile criterion at station M2 between 8/1/90 and 8/1/91.	390KRD	47122E8E4	47.445	122.845	Fecal Coliform	Water
	15	6939	5	Y	GREAT BEND/LYNCH COVE Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions beyond the criterion for both the geometric mean and the percentile criterion at station M3 between 8/1/90 and 8/1/91.	390KRD	47122E8D4	47.435	122.845	Fecal Coliform	Water
	15	6940	5	Y	GREAT BEND/LYNCH COVE Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions beyond the criterion for both the geometric mean and the percentile criterion at station M5 between 8/1/90 and 8/1/91. Department of Health unpublished data collected from station HOOD CANAL #9-268 show a geometric mean of 20 cfu/100mL and 33.3333333333333% of samples exceed the percentile criterion with the last sample collected on 14-Nov-2001. Department of Health unpublished data collected from station HOOD CANAL #9-269 show a geometric mean of 4 cfu/100mL and 3.33333333333333% of samples exceed the percentile criterion with the last sample collected on 14-Nov-2001. Department of Health unpublished data collected from station HOOD CANAL #9-284 show a geometric mean of 11 cfu/100mL and 26.6666666666667% of samples exceed the percentile criterion with the last sample collected on 14-Nov-2001.	390KRD	47122E8C7	47.425	122.875	Fecal Coliform	Water
	15	6941	5	Y	GREAT BEND/LYNCH COVE Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions beyond the criterion for both the geometric mean and the percentile criterion at station M7 between 8/1/90 and 8/1/91. Department of Health unpublished data collected from station HOOD CANAL #8-259 show a geometric mean of 2 cfu/100mL and 3.33333333333333% of samples exceed the percentile criterion with the last sample collected on 14-Nov-2001. Department of Health unpublished data collected from station HOOD CANAL #9-276 show a geometric mean of 4 cfu/100mL and 10% of samples exceed the percentile criterion with the last sample collected on 14-Nov-2001.	390KRD	47122E9B0	47.415	122.905	Fecal Coliform	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
15	6942	5	Y	GREAT BEND/LYNCH COVE Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions beyond the criterion for both the geometric mean and the percentile criterion at station M8 between 8/1/90 and 8/1/91. Department of Health unpublished data collected from station HOOD CANAL #8-262 show a geometric mean of 3 cfu/100mL and 3.33333333333333% of samples exceed the percentile criterion with the last sample collected on 14-Nov-2001.	390KRD	47122E9A3	47.405	122.935	Fecal Coliform		Water	
15	40081	5	N	GREAT BEND/LYNCH COVE Department of Health unpublished data collected from station HOOD CANAL #9-283 show a geometric mean of 30 cfu/100mL and 40% of samples exceed the percentile criterion with the last sample collected on 14-Nov-2001. Department of Health unpublished data collected from station HOOD CANAL #9-285 show a geometric mean of 25 cfu/100mL and 30% of samples exceed the percentile criterion with the last sample collected on 14-Nov-2001.	390KRD	47122E8D6	47.435	122.865	Fecal Coliform		Water	
15	40738	5	N	GREAT BEND/LYNCH COVE Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions beyond the criterion for both the geometric mean and the percentile criterion at station M6 between 8/1/90 and 8/1/91.	390KRD	47122E8C7	47.425	122.875	Fecal Coliform		Water	
15	7644	5	Y	GREAT BEND/LYNCH COVE Mason County data (submitted by Wayne Clifford on 8/91) show 3 excursions out of 4 samples on 4 different days at station M1 between 8/1/90 and 8/14/91.	390KRD	47122E8E4	47.445	122.845	pH		Water	
15	38619	5	N	GROVERS CREEK Kitsap County unpublished data show excursions beyond the criterion in measurements collected 1996-2001 at station GC01.	QB02OV	0.01	26N	02E	04	Dissolved oxygen		Water
15	7645	5	Y	GROVERS CREEK Forsyth, 1995. , samples collected exceed both criteria at station GC01 between 1994 and 1995. Forsyth, 1995. , samples collected exceed both criteria at station GC02 between 1994 and 1995. Kitsap County unpublished data show a geometric mean of 55 cfu/100mL with 33% of the samples above the percentile criterion out of 12 samples collected in 2002 at station GC01.	QB02OV	0.01	26N	02E	04	Fecal Coliform		Water
15	7646	5	Y	GROVERS CREEK Forsyth, 1995. , samples collected exceed both criteria at station GC04 between 1994 and 1995.	HS96YA	0	27N	02E	34	Fecal Coliform		Water
15	7647	5	Y	GROVERS CREEK Forsyth, 1995. , samples collected exceed both criteria at station GC05 between 1994 and 1995.	KR91BN	0	27N	02E	34	Fecal Coliform		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
15	36344	5	N	HALE PASSAGE (SOUTH) Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of more than 5 muscle tissue tissue tissue tissue samples collected in 1993 and 1996 from English sole (Pleuronectes vetulus) samples from station WOLLCHET.	390KRD	47122C6G0	47.265	122.605	Total PCBs		Tissue
15	38380	5	N	HOOD CANAL Kitsap County unpublished data at station HC25 (NEARSHORE N OF VINLAND) show excursions beyond the criterion in measurements collected in 1998.	390KRD	47122H6H9	47.775	122.695	Dissolved oxygen	This listing was reveiwed by Ecology Marine Unit staff who recommended, based on the other available data from Hood Canal, that this listing does not represent natural conditions. We therefore recommend that these listings be revised to category 5 (Grantham memo, 4/2005) The measured excursions beyond the criterion are a natural condition per the 3 January 2003 submittal by Jim Zimny of Kitsap County.	Water
15	38384	5	N	HOOD CANAL Kitsap County unpublished data at station HC28 (NEARSHORE LOFALL CR) show excursions beyond the criterion in measurements collected in 1998.	390KRD	47122I6B5	47.815	122.655	Dissolved oxygen	This listing was reveiwed by Ecology Marine Unit staff who recommended, based on the other available data from Hood Canal, that this listing does not represent natural conditions. We therefore recommend that these listings be revised to category 5 (Grantham memo, 4/2005) The measured excursions beyond the criterion are a natural condition per the 3 January 2003 submittal by Jim Zimny of Kitsap County.	Water
15	38630	5	N	HOOD CANAL Kitsap County unpublished data at station HC01 (SOUTH END MID CHANNEL) show excursions beyond the criterion in measurements collected in 1998.	390KRD	47123E0I4	47.485	123.045	Dissolved oxygen	This listing was reveiwed by Ecology Marine Unit staff who recommended, based on the other available data from Hood Canal, that this listing does not represent natural conditions. We therefore recommend that these listings be revised to category 5 (Grantham memo, 4/2005) The measured excursions beyond the criterion are a natural condition per the 3 January 2003 submittal by Jim Zimny of Kitsap County.	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Medium	Remarks
15	38638	5	N	HOOD CANAL	390KRD	47122F9G7	47.565	122.975	Dissolved oxygen	Water	<p>Kitsap County unpublished data at station HC04 (HOLLY COVE - NEARSHORE TO HOLLY CR) show excursions beyond the criterion in measurements collected in 1998.</p> <p>Kitsap County unpublished data at station HC05 (ANDERSON COVE - NEARSHORE TO BIG ANDERSON CR) show no excursions beyond the criterion in measurements collected in 1996-2001.</p> <p>This listing was reveiwd by Ecology Marine Unit staff who recommended, based on the other available data from Hood Canal, that this listing does not represent natural conditions. We therefore recommend that these listings be revised to category 5 (Grantham memo, 4/2005)</p> <p>The measured excursions beyond the criterion are a natural condition per the 3 January 2003 submittal by Jim Zimny of Kitsap County.</p>
15	38790	5	N	HOOD CANAL	390KRD	47122G8E3	47.645	122.835	Dissolved oxygen	Water	<p>Kitsap County unpublished data at station HC14 (SEABECK BAY NEARSHORE SEABECK CR) show excursions beyond the criterion in measurements collected in 2001.</p> <p>This listing was reveiwd by Ecology Marine Unit staff who recommended, based on the other available data from Hood Canal, that this listing does not represent natural conditions. We therefore recommend that these listings be revised to category 5 (Grantham memo, 4/2005)</p> <p>The measured excursions beyond the criterion are a natural condition per the 3 January 2003 submittal by Jim Zimny of Kitsap County.</p>
15	40974	5	N	HOOD CANAL	390KRD	47123D0F2	47.355	123.025	Dissolved oxygen	Water	<p>Newton (2004), Hood Canal Study station SISTER shows 35 of 52 samples exceeded the criterion in year 2003, and 13 of 23 samples exceeded the criterion in year 2004.</p> <p>This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo, 4/2005)</p>
15	40975	5	N	HOOD CANAL	390KRD	47123D0H1	47.375	123.015	Dissolved oxygen	Water	<p>Newton (2004), Hood Canal Study station SSTRN shows 17 of 34 samples exceeded the criterion in year 2003, and 7 of 17 samples exceeded the criterion in year 2004.</p> <p>This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo, 4/2005)</p>
15	40991	5	N	HOOD CANAL	390KRD	47122E9A3	47.405	122.935	Dissolved oxygen	Water	<p>Newton (2004), Hood Canal Study station LYNCHS shows 15 of 36 samples exceeded the criterion in year 2003, and 6 of 15 samples exceeded the criterion in year 2004.</p> <p>This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo, 4/2005)</p>

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium	
Basis									Remarks		
4/2005)	15	40992	5	N	HOOD CANAL	390KRD	47123D1H1	47.375	123.115	Dissolved oxygen	Water
	Newton (2004), Hood Canal Study station POTE shows 19 of 34 samples exceeded the criterion in year 2003, and 6 of 12 samples exceeded the criterion in year 2004.									This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,	
4/2005)	15	10271	5	N	HOOD CANAL (NORTH)	390KRD	47122H7E2	47.745	122.725	Dissolved oxygen	Water
	Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station HCB006 (Hood Canal - King Spit Bangor) shows 78 excursions beyond the criterions out of 92 samples collected between 1993-2000									This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,	
4/2005)	15	40983	5	N	HOOD CANAL (NORTH)	390KRD	47122H7D5	47.735	122.755	Dissolved oxygen	Water
	Newton (2004), Hood Canal Study station BANGR shows 25 of 34 samples exceeded the criterion in year 2003, and 3 of 9 samples exceeded the criterion in year 2004.									This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,	
4/2005)	15	40984	5	N	HOOD CANAL (NORTH)	390KRD	47122H7C4	47.725	122.745	Dissolved oxygen	Water
	Newton (2004), Hood Canal Study station BANGRE shows 4 of 20 samples exceeded the criterion in year 2003, and 0 of 5 samples exceeded the criterion in year 2004.									This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,	
4/2005)	15	10281	5	Y	HOOD CANAL (SOUTH)	390KRD	47123F0D0	47.535	123.005	Dissolved oxygen	Water
	Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station HCB003 (Hood Canal - Eldon Hamma Hamma R.) shows 50 excursions beyond the criterions out of 51 samples collected between 1993-2000.									Was Grid Cell 47123F0D1 on 1998 list. -kk This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,	
4/2005)	15	40981	5	N	HOOD CANAL (SOUTH)	390KRD	47123E1B0	47.415	123.105	Dissolved oxygen	Water
	Newton (2004), Hood Canal Study station BAMBE shows 13 of 20 samples exceeded the criterion in year 2003, and 4 of 7 samples exceeded the criterion in year 2004.									This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Medium	Remarks		
Health kk	15	40986	5	N	HOOD CANAL (SOUTH)	390KRD	47123F0E0	47.545	123.005	Dissolved oxygen	Water	This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo, 4/2005)	
	15	40987	5	N	HOOD CANAL (SOUTH)	390KRD	47123F0D0	47.535	123.005	Dissolved oxygen	Water	This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo, 4/2005)	
	15	38654	5	N	HUGE CREEK	YV85GW	2.064	22N	01E	08	Dissolved oxygen	Water	Kitsap County unpublished data show excursions beyond the criterion in measurements collected 1996, 1997 and 1999 at station HG01.
	15	38658	5	N	ILLAHEE CREEK	BT04CA	0.003	25N	02E	31	Dissolved oxygen	Water	Kitsap County unpublished data show excursions beyond the criterion in measurements collected in 1996, 1997 and 1999 at station IC01.
	15	38659	5	N	ILLAHEE CREEK	BT04CA	0.003	25N	02E	31	Fecal Coliform	Water	Kitsap County unpublished data show a geometric mean of 52 cfu/100mL with 27% of the samples above the percentile criterion out of 11 samples collected in 2002 at station IC01.
	15	38663	5	N	JOHNSON CREEK	VD71BW	0.01	26N	01E	22	Fecal Coliform	Water	Kitsap County unpublished data show a geometric mean of 52 cfu/100mL with 45% of the samples above the percentile criterion out of 11 samples collected in 2002.
	15	38934	5	N	KARCHER CREEK	CS87QP	0	24N	01E	25	Fecal Coliform	Water	Administrative name change from WILSON CREEK to KARCHER CREEK on 01/24/05, still has bad WASWIS, CS87QP is for ANNAPOLIS CREEK. -kk Name should be KARCHER CREEK per Kitsap County (KCHD station KA01) This listing was incorrectly cited as being on the 96 and 98 lists (confused with Wilson Creek). -

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks
15	38667	5	N	KINMAN CREEK	LU93MN	0.041	27N	01E	23	Fecal Coliform	Water	
	Kitsap County unpublished data show a geometric mean of 79 cfu/100mL with 25% of the samples above the percentile criterion out of 8 samples collected in 2002.										Data is for KINMAN CREEK, not JUMP OFF JOE CREEK	
											Kitsap Co Health (station KN01) and was incorrectly associated with the Colville Fecal Coliform TMDL. Listing returned to Cat 5. -kk	
15	38673	5	N	KITSAP CREEK	IE67NU	0	24N	01E	08	Temperature	Water	
Suquamish Tribe (2002) show the maximum 7-day mean of daily maximum values was 25.4 from continuous measurements collected in 2002.												
Kitsap County unpublished data show excursions beyond the criterion in measurements collected in 1996-2001 at station KC01.												
15	42437	5	N	KITSAP LAKE	878IBO	24N	01W	32		2,3,7,8-TCDD	Tissue	
Seiders, 2004. shows the National Toxics Rule criterion was exceeded in Cutthroat trout fillet samples collected 10/31/2002.												
15	7649	5	Y	KITSAP LAKE	878IBO	24N	01W	32		Fecal Coliform	Water	
Completed Phase I State Clean Lakes Restoration Project in 1983 -Problems Encountered: Blue-green algae, high turbidity, sediment phosphorus recycling, low transparency, aquatic macrophytes, fecal coliform. Parametrix, 1983.										Control Measures Proposed : Phosphorus precipitation/inactivation, dilution/flushing, watershed nutrient management (septic system management, ordinance development), aquatic macrophyte harvesting, public education.;		
										Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.		
15	42170	5	N	KITSAP LAKE	878IBO	24N	01W	32		Total PCBs	Tissue	
Seiders, 2004. shows the National Toxics Rule criterion was exceeded in Cutthroat trout and Rainbow trout fillet samples collected 10/31/2002.												
15	6345	5	Y	KITSAP LAKE	878IBO	24N	01W	32		Total Phosphorus	Water	
Completed Phase I State Clean Lakes Restoration Project in 1983 -Problems Encountered: Blue-green algae, high turbidity, sediment phosphorus recycling, low transparency, aquatic macrophytes, fecal coliform. Parametrix, 1983.												
Kitsap County unpublished data show the summer mean epilimnetic total phosphorus concentration of 24.8 ug/L exceeds the water quality standards nutrient criterion												
Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 30 ug/L from samples collected in 1981 which exceeds the water quality standards nutrient criterion for the Puget Lowlands Ecoregion.												
15	38919	5	N	KLEABAL CREEK	TK40MO	0	26N	02E	29	Fecal Coliform	Water	
Kitsap County unpublished data show a geometric mean of 34 cfu/100mL with 33% of the samples above the percentile criterion out of 12 samples collected in 2002.												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
15	40630	5	Y	LAGOON CREEK TPCHD, 1991. 7 excursions beyond the criterion at station PA02 between 11/1/88 and 10/1/90.	UNK000	0	00U	000U	00	pH	Water
										This stream drains to Mayo Cove. TRS 21N-01E-36.	
15	23708	5	N	LIBERTY BAY Liberty Bay Foundation unpublished data (submitted by Luis Barrantes on 12 Decemeber 2002) from station LBNS-7 (Upper Liberty Bay east shore at the mouth of Johnson Creek) show a geometric mean of 92 cfu/100mL from samples collected in 2001-2002.	390KRD	47122H6D5	47.735	122.655		Fecal Coliform	Water
15	10380	5	Y	LITTLE MINTER CREEK Dickes and Patterson, 1994. station LM1 (Little Minter Creek (LM1)) shows a geometric mean of 24 cfu/100mL with 15% exceeding the percentile criterion out of 13 samples collected during 1993. Dickes and Patterson, 1994. station LM1 (Little Minter Creek (LM1)) shows a geometric mean of 11 cfu/100mL with 0% exceeding the percentile criterion out of 5 samples collected during 1992.	QB57UD	0	22N	01E	20	Fecal Coliform	Water
15	10381	5	Y	LITTLE MINTER CREEK Dickes and Patterson, 1994. station LM2 (Little Minter Creek (LM2)) shows a geometric mean of 47 cfu/100mL with 38% exceeding the percentile criterion out of 8 samples collected during 1993. Dickes and Patterson, 1994. station LM2 (Little Minter Creek (LM2)) shows 0 single samples exceed the geometric mean criterion out of 2 samples collected during 1992.	QB57UD	2.51	22N	01E	15	Fecal Coliform	Water
15	6962	5	N	LITTLE MISSION CREEK Hallock (2004), Dept. of Ecology ambient station 15G050 shows 1 of 3 samples (33.3%) in year 2002 exceeded the percentile criterion and 1 of 7 samples (14.3%) in year 2003 exceeded the percentile criterion. Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions beyond the criterion for both the geometric mean and the percentile criterion at station S10 between 8/1/90 and 8/1/91.	VZ87ME	0	22N	02W	99	Fecal Coliform	Water
15	23692	5	N	LITTLE SCANDIA CREEK Liberty Bay Foundation unpublished data (submitted by Luis Barrantes on 12 Decemeber 2002) from station LBNS-38 (Little Scandia Creek @ Scandia Road crossing) show a geometric mean of 103 cfu/100mL from samples collected in 2001-2002.	II47ZW	0.008	26N	01E	27	Fecal Coliform	Water
15	6967	5	Y	MAYO CREEK Sandison and Hanowell, 1999. show the percentile criterion is exceeded from 9 samples collected between 1996-1998 at the mouth. Tacoma-Pierce County Health department unpublished data (submitted by Ray Hanowell on 8/28/91) show a geometric mean of 39 cfu/100mL with 50% above the percentile criterion at station PA08 during 1990.	TV40MV	0	20N	01W	01	Fecal Coliform	Water
15	7655	5	Y	MAYO CREEK Sandison and Hanowell, 1999. show excursiosn beyond the criterion in 1997 and 1998. Tacoma-Pierce County Health department unpublished data (submitted by Ray Hanowell on 8/28/91) show 6 excursions beyond the criterion at station PA08 between during 1989 and 1990.	TV40MV	0	20N	01W	01	Temperature	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
15	38717	5	N	MINTER CREEK Kitsap County unpublished data show excursions beyond the criterion in measurements collected in 1996, 1997, 1999 and 2001 at station MN01.	BH24TJ	6.877	22N	01E	04	Dissolved oxygen		Water
15	10382	5	Y	MINTER CREEK Dickes and Patterson, 1994. station M1 (Minter Creek (M1)) shows a geometric mean of 28 cfu/100mL with 25% exceeding the percentile criterion out of 12 samples collected during 1993. Dickes and Patterson, 1994. station M1 (Minter Creek (M1)) shows 0 single samples exceed the geometric mean criterion out of 3 samples collected during 1992.	BH24TJ	0	22N	01E	29	Fecal Coliform		Water
15	10383	5	Y	MINTER CREEK Dickes and Patterson, 1994. station M2 (Minter Creek (M2)) shows a geometric mean of 35 cfu/100mL with 25% exceeding the percentile criterion out of 16 samples collected during 1993. Dickes and Patterson, 1994. station M2 (Minter Creek (M2)) shows a geometric mean of 26 cfu/100mL with 0% exceeding the percentile criterion out of 5 samples collected during 1992.	BH24TJ	0.643	22N	01E	20	Fecal Coliform		Water
15	10384	5	Y	MINTER CREEK Dickes and Patterson, 1994. station M4 (Minter Creek (M4)) shows a geometric mean of 75 cfu/100mL with 33% exceeding the percentile criterion out of 6 samples collected during 1993. Dickes and Patterson, 1994. station M4 (Minter Creek (M4)) shows 0 single samples exceed the geometric mean criterion out of 2 samples collected during 1992.	BH24TJ	2.633	22N	01E	17	Fecal Coliform		Water
15	10385	5	Y	MINTER CREEK Dickes and Patterson, 1994. station M5 (Minter Creek (M5)) shows a geometric mean of 114 cfu/100mL with 57% exceeding the percentile criterion out of 7 samples collected during 1993. Dickes and Patterson, 1994. station M5 (Minter Creek (M5)) shows 1 single samples exceed the geometric mean criterion out of 2 samples collected during 1992.	BH24TJ	2.753	22N	01E	16	Fecal Coliform		Water
15	10386	5	Y	MINTER CREEK Dickes and Patterson, 1994. station M6 (Minter Creek (M6)) shows a geometric mean of 14 cfu/100mL with 25% exceeding the percentile criterion out of 8 samples collected during 1993. Dickes and Patterson, 1994. station M6 (Minter Creek (M6)) shows 0 single samples exceed the geometric mean criterion out of 2 samples collected during 1992.	BH24TJ	5.132	22N	01E	09	Fecal Coliform		Water
15	38718	5	N	MINTER CREEK Kitsap County unpublished data show a geometric mean of 48 cfu/100mL with 22% of the samples above the percentile criterion out of 9 samples collected in 2002 at station MN01.	BH24TJ	6.877	22N	01E	04	Fecal Coliform		Water
15	40096	5	N	NISQUALLY REACH/DRAYTON PASSAGE Department of Health unpublished data collected from station ORO BAY-257 show a geometric mean of 5 cfu/100mL and 16.6666666666667% of samples exceed the percentile criterion with the last sample collected on 3-Dec-2001. Department of Health unpublished data collected from station ORO BAY-554 show a geometric mean of 6 cfu/100mL and 20% of samples exceed the percentile criterion with the last sample collected on 3-Dec-2001.	390KRD	47122B7D0	47.135	122.705		Fecal Coliform		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
15	12585	5	N	NORTH CREEK Tacoma-Pierce County Health District and Dept. of Ecology unpublished data (submitted by Margaret Hill of SWRO on 9 Oct 2002) shows excursions beyond the chronic criterion in samples collected on 26 November 2001 and 10 December 2001.	XZ01YA	0.006	21N	02E	06	Lead		Water
15	23701	5	N	NORTH PEARSON BAY Liberty Bay Foundation unpublished data (submitted by Luis Barrantes on 12 Decemeber 2002) from station LBNS-40 (North Pearson Bay @ mid-bay) show a geometric mean of 15 cfu/100mL from samples collected in 2001-2002. Liberty Bay Foundation unpublished data (submitted by Luis Barrantes on 12 Decemeber 2002) from station LBNS-41 (South Pearson Bay @ mid-bay) show a geometric mean of 4 cfu/100mL from samples collected in 2001-2002.	390KRD	47122H6A3	47.705	122.635		Fecal Coliform		Water
15	38722	5	N	OLALLA CREEK Hallock (2004), Dept. of Ecology ambient station 15K070 shows 2 of 3 samples (66.7%) in year 2002 exceeded the percentile criterion. Kitsap County unpublished data show a geometric mean of 92 cfu/100mL with 55% of the samples above the percentile criterion out of 11 samples collected in 2002 at station OC02.	GC81GI	2.481	22N	02E	05	Fecal Coliform		Water
15	38923	5	Y	OSTRICH BAY Kitsap County unpublished data show a geometric mean of 269 cfu/100mL with 62% of the samples above the percentile criterion out of 13 samples collected in 2002.	AB71WE	0.001	24N	01E	16	Fecal Coliform	Name should be OSTRICH BAY CREEK per Kitsap County Health (KCHD station OB01). Was listed as UNNAMED CREEK on 1998 list. -kk	Water
15	40608	5	Y	PICNIC CREEK TPCHD, 1991. 2 excursions beyond the criterion at station PS05 between 11/1/88 and 10/1/90. TPCHD, 1991. 3 excursions beyond the criterion at station PA03 between 11/1/88 and 10/1/90.	UNK000	0	00U	000U	00	Fecal Coliform	This stream drains to Mayo Cove. TRS 21N-01E-36.	Water
15	40632	5	Y	PICNIC CREEK TPCHD, 1991. 4 excursions beyond the criterion at station PA03 between 11/1/88 and 10/1/90.	UNK000	0	00U	000U	00	pH	This stream drains to Mayo Cove. TRS 21N-01E-36.	Water
15	40606	5	Y	PRIVATE CREEK TPCHD, 1991. 4 excursions beyond the criterion at station PS13 between 11/1/88 and 10/1/90. TPCHD, 1991. 13 excursions beyond the criterion at station PA09 between 11/1/88 and 10/1/90.	UNK000	0	00U	000U	00	Fecal Coliform	This stream drains to Mayo Cove. TRS 21N-01E-36.	Water
15	40607	5	Y	PRIVATE CREEK TPCHD, 1991. 2 excursions beyond the criterion at station PS13 between 11/1/88 and 10/1/90. TPCHD, 1991. 2 excursions beyond the criterion at station PA09 between 11/1/88 and 10/1/90.	UNK000	0	00U	000U	00	pH	This stream drains to Mayo Cove. TRS 21N-01E-36.	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium	
15	10276	5	N	PUGET SOUND (CENTRAL) Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station ADM003 (Admiralty Inlet (south)) shows 6 excursions beyond the criterions out of 36 samples collected between 1993-2000	390KRD	47122I4H8	47.875	122.485	pH		Water	
15	36235	5	N	PUGET SOUND (SOUTH) Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of more than 5 muscle tissue tissue tissue tissue tissue samples collected in 1993 from English sole (Pleuronectes vetulus) samples from station NISQUALY.	390KRD	47122B6G6	47.165	122.665	Bis(2-ethylhexyl)phthalate		Tissue	
15	36340	5	N	PUGET SOUND (SOUTH) Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of more than 5 muscle tissue tissue tissue tissue tissue tissue samples collected in 1993-1997 from English sole (Pleuronectes vetulus) samples from station NISQUALY. Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of more than 5 muscle tissue tissue tissue tissue tissue samples collected in 1997-1999 from English sole (Pleuronectes vetulus) samples from station NISQUALY.	390KRD	47122B6G6	47.165	122.665	Total PCBs		Tissue	
15	40627	5	Y	RAVINE CREEK TPCHD, 1991. 7 excursions beyond the criterion at station PA07 between 11/1/88 and 10/1/90.	UNK000	0	00U	000U	00	Fecal Coliform	This stream drains to Mayo Cove. WASWIS=HK80KD, TRS=20N-01W-01, in 1998 Listing TRS is 21N-01E-36.	Water
15	38927	5	N	SACCO CREEK Kitsap County unpublished data show a geometric mean of 274 cfu/100mL with 60% of the samples above the percentile criterion out of 10 samples collected in 2002.	WN12XA	0	24N	02E	19	Fecal Coliform		Water
15	38862	5	N	SALMONBERRY CREEK Kitsap County unpublished data show excursions beyond the criterion in measurements collected in 1996-2000 at station SM01.	TK04ST	0	23N	02E	18	Dissolved oxygen		Water
15	23715	5	N	SAM SNYDER CREEK Liberty Bay Foundation unpublished data (submitted by Luis Barrantes on 12 Decemeber 2002) from station LBNS-32 (Sam Snyder Creek @ estuary mouth) show 3 excursions beyond the criterion out of 5 measurements collected in 2001-2002.	YL66GE	0	26N	01E	36	pH	Low pH	Water
15	6960	5	Y	SHOOFLY CREEK Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions beyond the criterion for both the geometric mean and the percentile criterion at station S12 (at Hwy 300) between 8/1/90 and 8/1/91.	ZO47XT	0	22N	02W	18	Fecal Coliform		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
15	38870	5	N	SINCLAIR INLET Kitsap County unpublished data at station SN05 (MID INLET AT HEAD OFF PILINGS BY PIONEER QUARRY) show 4 excursions beyond the criterion in measurements collected in 1998, 2001, and 2003.	390KRD	47122F6D8	47.535	122.685	Dissolved oxygen	This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. The data indicates that this listing should be on Category 5 (Grantham memo, 4/2005)	Water
15	38815	5	N	STEELE CREEK Kitsap County unpublished data show excursions beyond the criterion in measurements collected in 1996-2001 at station ST01. Kitsap County unpublished data show no excursions beyond the criterion in measurements collected in 1996-2001.	VT21SV	0	25N	01E	14	Dissolved oxygen	Water
15	38816	5	N	STEELE CREEK Kitsap County unpublished data show a geometric mean of 129 cfu/100mL with 55% of the samples above the percentile criterion out of 11 samples collected in 2002 at station ST01.	VT21SV	0	25N	01E	14	Fecal Coliform	Water
15	6959	5	Y	STIMSON CREEK Mason County unpublished data (submitted by Wayne Clifford on 8/91) meet the criterion for the geometric mean, but exceeds the percentile criterion at station S11 (at Elffendahl Pass Road) between 8/1/90 and 8/1/91.	XE80KI	0.441	22N	02W	03	Fecal Coliform	Water
15	38887	5	N	STRAWBERRY CREEK Kitsap County unpublished data show a geometric mean of 41 cfu/100mL with 18% of the samples above the percentile criterion out of 41 samples collected in 2002. Kitsap County unpublished data show a geometric mean of 10 cfu/100mL with 0% of the samples above the percentile criterion out of 11 samples collected in 2002 at station SB01.	LV21OX	0.062	25N	01E	20	Fecal Coliform	Water
15	36346	5	N	TACOMA NARROWS Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of more than 5 muscle tissue tissue tissue tissue tissue samples collected in 1996 from quillback rockfish (Sebastes maliger) samples from station GIGHARBR.	390KRD	47122D5C6	47.325	122.565	Total PCBs		Tissue
15	42600	5	N	UNION RIVER Hallock (2003), Dept. of Ecology ambient station 15E070 shows a total of 2 samples in years 2002 and 2003 exceeded the criterion. Ward et al. (2001) station 15E070 (UNION R NR BELFAIR) shows 0 excursions beyond the criterion out of 12 samples collected between 01/99 - 12/99. Ward et al. (2001) station UR3RIVER (LOWER UNION R. @ OLD BELFAIR HWY BRIDGE) shows 0 excursions beyond the criterion out of 12 samples collected between 01/99 - 12/99.	MF56EG	2.366	23N	01W	20	Dissolved oxygen	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
kk	15	38911	5	N	UNNAMED CREEK	IN53PY	0.251	23N	01W	10	Dissolved oxygen	Water
	Kitsap County unpublished data show excursions beyond the criterion in measurements collected 1998, 1999 and 2001.											
	15	38922	5	N	UNNAMED CREEK	AB71WE	0.001	24N	01E	16	Dissolved oxygen	Water
kk	Kitsap County unpublished data show excursions beyond the criterion in measurements collected in 1997, 2000 and 2001.											
	15	43033	5	N	UNNAMED CREEK	UNK000	0	24N	02E	07	Dissolved oxygen	Water
	Kitsap County Health, 2004, excursions beyond the criterion were measured at station DE01 during 1996, 1999, 2000, and 2001.										ENETAI (DEE) CREEK, no WASWIS, TRS = 24N-02E-07. -	
kk	15	43034	5	N	UNNAMED CREEK	UNK000	0	00U	000U	00	Fecal Coliform	Water
	Kitsap County Health District, 2004, samples collected at station DE01 exceed both the geometric mean criterion and the percentile criterion each year between 1996 and 2001.											
	ENETAI (DEE) CREEK, no WASWIS, TRS = 24N-02E-07. -											
	16	21929	5	N	DOSEWALLIPS RIVER	RZ37KR	0.043	25N	02W	02	Temperature	Water
	Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements collected in 2001 at Dosewallips State Park.											
	Labbe et al. 2002, shows excursions beyond the criterion from the annual 7-day mean of daily maximum temperature from continuous measurements collected in 2001 at Dosewallips State Park.											
	Hallock (2001) Dept. of Ecology Ambient Monitoring Station 16D070 (Dosewallips R @ Brinnon) shows 0 excursions beyond the criterion out of 12 samples collected between 1993 - 2001											
	16	35261	5	N	DUCKABUSH RIVER	SC72WD	6.914	25N	03W	01	Temperature	Water
	Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) show a 7-day mean of maximum daily temperature of 17.1 degrees C on the week ending 9-11-2002, with a maximum daily temperature of 18.3 degrees C from continuous measurements collected in 2002 at RM 4.5 (station ID Duck RM 4.5).											
	Dept. of Ecology unpublished data from core ambient monitoring station 16C090 (Duckabush R. near Brinnon) shows a 7-day mean of daily maximum values of 13.8 for mid-week 12 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 16C090 (DUCKABUSH RIVER NEAR BRINNON) shows 0 excursions beyond the criterion out of 52 samples collected between 1993 - 2001											
	16	12587	5	N	FINCH CREEK	PL30HS	0	22N	04W	12	Fecal Coliform	Water
	Washington State Department of Health unpublished data show an excursion beyond the percentile criterion from 7 samples collected during 2000 at the Hwy 101 bridge and at the mouth near Hatchery beach.											

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
of kk	16	40782	5	N	FINCH CREEK	PL30HS	0.241	22N	04W	11	Fecal Coliform	Water
					Washington State Department of Health unpublished data show an excursion beyond the percentile criterion from 7 samples collected during 2000 at						Updated with DOH information, otherwise this is a duplicate	
					Lumberman's foot bridge						Listing ID 12588 which has now been inactivated. 10/20/04 -	
					Hallock (2001) Dept. of Ecology Ambient Monitoring Station 16E070 (Finch Cr @ Hoodsport) shows a geometric mean of 19 does not exceed the criterion and that 11% of the samples exceeds the percentile criterion from 9 samples collected during 1999.							
					Hallock (2001) Dept. of Ecology Ambient Monitoring Station 16E070 (Finch Cr @ Hoodsport) shows a geometric mean of 27 does not exceed the criterion and that 0% of the samples exceeds the percentile criterion from 3 samples collected during 1998.							
					Hallock (2001) Dept. of Ecology Ambient Monitoring Station 16E070 (Finch Cr @ Hoodsport) shows a geometric mean of 8 does not exceed the criterion and that 0% of the samples exceeds the percentile criterion from 9 samples collected during 1994.							
					Hallock (2001) Dept. of Ecology Ambient Monitoring Station 16E070 (Finch Cr @ Hoodsport) shows a geometric mean of 39 does not exceed the criterion and that 33% of the samples exceeds the percentile criterion from 3 samples collected during 1993.							
	16	21928	5	N	FULTON CREEK	BY80QW	0.013	25N	02W	31	Temperature	Water
					Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements collected in 2001 near Highway 101. Labbe et al. 2002, shows excursions beyond the criterion from the annual 7-day mean of daily maximum temperature from continuous measurements collected in 2001 near Highway 101.							
	16	13930	5	N	GREAT BEND/LYNCH COVE	390KRD	47123D1F0		47.355	123.105	Fecal Coliform	Water
					Department of Health unpublished data collected from station ANNAS BAY-197 show a geometric mean of 7 cfu/100mL and 19% of samples exceed the percentile criterion with the last sample collected on 13-Nov-2001.							
4/2005)	16	40971	5	N	HOOD CANAL	390KRD	47123D1H3		47.375	123.135	Dissolved oxygen	Water
					Newton (2004), Hood Canal Study station POTLCH shows 37 of 54 samples exceeded the criterion in year 2003, and 10 of 15 samples exceeded the criterion in year 2004.						This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,	
4/2005)	16	40972	5	N	HOOD CANAL	390KRD	47123D1G0		47.365	123.105	Dissolved oxygen	Water
					Newton (2004), Hood Canal Study station POTSO shows 17 of 36 samples exceeded the criterion in year 2003, and 5 of 13 samples exceeded the criterion in year 2004.						This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,	

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium	
				Basis						Remarks	
4/2005)	16	40973	5	N	HOOD CANAL	390KRD	47123D1H4	47.375	123.145	Dissolved oxygen	Water
	Newton (2004), Hood Canal Study station POTW shows 25 of 38 samples exceeded the criterion in year 2003, and 7 of 10 samples exceeded the criterion in year 2004.									This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,	
4/2005)	16	40977	5	N	HOOD CANAL (SOUTH)	390KRD	47123E1D1	47.435	123.115	Dissolved oxygen	Water
	Newton (2004), Hood Canal Study station SUNDRK shows 23 of 34 samples exceeded the criterion in year 2003, and 3 of 13 samples exceeded the criterion in year 2004.									This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,	
4/2005)	16	40978	5	N	HOOD CANAL (SOUTH)	390KRD	47123E1D1	47.435	123.115	Dissolved oxygen	Water
	Newton (2004), Hood Canal Study station SUNDRK40 shows 9 of 9 samples exceeded the criterion in year 2003, and 6 of 6 samples exceeded the criterion in year 2004.									This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,	
4/2005)	16	40979	5	N	HOOD CANAL (SOUTH)	390KRD	47123E1D1	47.435	123.115	Dissolved oxygen	Water
	Newton (2004), Hood Canal Study station SUNDRK70 shows 9 of 9 samples exceeded the criterion in year 2003, and 6 of 7 samples exceeded the criterion in year 2004.									This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,	
4/2005)	16	40980	5	N	HOOD CANAL (SOUTH)	390KRD	47123E1C1	47.425	123.115	Dissolved oxygen	Water
	Newton (2004), Hood Canal Study station BAMBAN shows 24 of 30 samples exceeded the criterion in year 2003, and 12 of 20 samples exceeded the criterion in year 2004.									This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,	
4/2005)	16	40982	5	N	HOOD CANAL (SOUTH)	390KRD	47123E1C2	47.425	123.125	Dissolved oxygen	Water
	Newton (2004), Hood Canal Study station BAMBW shows 17 of 24 samples exceeded the criterion in year 2003, and 6 of 14 samples exceeded the criterion in year 2004.									This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Medium	Remarks
16	40867	5	Y	TEN ACRE CREEK	UNK000	0	00U	000U	00	Fecal Coliform	Water
				Skokomish Indian Tribal data (submitted by Jim Park on 2/23/96) show 3 excursions beyond the upper criterion on Ten Acre Creek at the Valley Road Bridge between 1995 and 1996.					There is no WASWIS ID for this segment. The stream to Purdy Creek /Skokomish River. JB 7-25-03: NO WASWIS ID, HAVE MORE RECENT DATA AND TMDL		
17	40319	5	N	ADMIRALTY INLET (INNER)	390KRD	47122J6F8	47.955	122.685	Fecal Coliform	Water	
				Department of Health unpublished data collected from station MATS MATS BAY-1 show a geometric mean of 7 cfu/100mL and 22% of samples exceed the percentile criterion with the last sample collected on 20-Dec-2001.							
				Department of Health unpublished data collected from station MATS MATS BAY-10 show a geometric mean of 6 cfu/100mL and 22% of samples exceed the percentile criterion with the last sample collected on 20-Dec-2001.							
				Department of Health unpublished data collected from station MATS MATS BAY-14 show a geometric mean of 4 cfu/100mL and 11% of samples exceed the percentile criterion with the last sample collected on 20-Dec-2001.							
				Department of Health unpublished data collected from station MATS MATS BAY-2 show a geometric mean of 5 cfu/100mL and 11% of samples exceed the percentile criterion with the last sample collected on 20-Dec-2001.							
				Department of Health unpublished data collected from station MATS MATS BAY-5 show a geometric mean of 4 cfu/100mL and 11% of samples exceed the percentile criterion with the last sample collected on 20-Dec-2001.							
				-- ADD --Department of Health unpublished data collected from station MATS MATS BAY-7 show a geometric mean of 5 cfu/100mL and 11% of samples exceed the percentile criterion with the last sample collected on 20-Dec-2001.							
17	40321	5	N	ADMIRALTY INLET (INNER)	390KRD	47122J6G8	47.965	122.685	Fecal Coliform	Water	
				Department of Health unpublished data collected from station MATS MATS BAY-12 show a geometric mean of 3 cfu/100mL and 0% of samples exceed the percentile criterion with the last sample collected on 20-Dec-2001.							
17	40326	5	N	ADMIRALTY INLET (INNER)	390KRD	47122J6F9	47.955	122.695	Fecal Coliform	Water	
				Department of Health unpublished data collected from station MATS MATS BAY-8 show a geometric mean of 11 cfu/100mL and 22.22222222222222% of samples exceed the percentile criterion with the last sample collected on 20-Dec-2001.							
				Department of Health unpublished data collected from station MATS MATS BAY-9 show a geometric mean of 8 cfu/100mL and 22.22222222222222% of samples exceed the percentile criterion with the last sample collected on 20-Dec-2001.							
17	21943	5	N	BIG QUILCENE RIVER	EL58TS	0.161	27N	02W	24	Temperature	Water
				Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements collected in 2001 and 2002 at Rodgers St. Labbe et al. 2002, shows excursions beyond the criterion from the annual 7-day mean of daily maximum temperature from continuous measurements collected in 2001 and 2002 at Rodgers St.							
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 17A060 (BIG QUILCENE R NR MOUTH) shows 0 excursions beyond the criterion out of 12 samples collected between 1993 - 2001							

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium	
17	21944	5	N	BIG QUILCENE RIVER Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements collected in 2001 and 2002 at Highway 101. Labbe et al. 2002, shows excursions beyond the criterion from the annual 7-day mean of daily maximum temperature from continuous measurements collected in 2001 at Highway 101. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 17A070 (Big Quilcene R nr Quilcene) shows 0 excursions beyond the criterion out of 12 samples collected between 1993 - 2001	EL58TS	3.694	27N	02W	22	Temperature		Water
17	16737	5	Y	CHIMACUM CREEK Hallock (2001) Dept. of Ecology Ambient Monitoring Station 17B100 (Chimacum Cr @ Chimacum) shows a geometric mean of 542 exceeds the criterion and that 67% of the samples exceeds the percentile criterion from 3 samples collected during 1993.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 17B100 (Chimacum Cr @ Chimacum) shows a geometric mean of 310 exceeds the criterion and that 67% of the samples exceeds the percentile criterion from 9 samples collected during 1994.	MB88JL	5.735	29N	01W	14	Fecal Coliform		Water
17	16738	5	N	CHIMACUM CREEK Hallock (2001) Dept. of Ecology Ambient Monitoring Station 17B070 (Chimacum Cr nr Irondale) shows a geometric mean of 87 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 3 samples collected during 1993.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 17B070 (Chimacum Cr nr Irondale) shows a geometric mean of 140 exceeds the criterion and that 22% of the samples exceeds the percentile criterion from 9 samples collected during 1994.	MB88JL	0.252	30N	01W	34	Fecal Coliform		Water
17	7670	5	Y	CHIMACUM CREEK Port Gamble S'Klallam Tribal data (submitted by Peter Bahls on 10/13/97) show 15 excursions beyond the criterion out of 23 samples (65%) at Chimacum Creek RM 8.8 WDF#17.0203) between 1992 and 1994.	MB88JL	14.975	28N	01W	09	Temperature	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	Water
17	21953	5	N	CHIMACUM CREEK Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements collected in 1992-1996, 2000 and 2001 at Irondale Rd. Labbe et al. 2002, shows excursions beyond the criterion from the annual 7-day mean of daily maximum temperature from continuous measurements collected in 1996 and 2000 at Irondale Rd.	MB88JL	2.062	29N	01W	03	Temperature		Water
17	21954	5	Y	CHIMACUM CREEK Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements collected in 1992-1996 and 1998-2001 at Rhody Dr/Mustin Property. Labbe et al. 2002, shows excursions beyond the criterion from the annual 7-day mean of daily maximum temperature from continuous measurements collected in 1996 and 1998-2001 at Rhody Dr/Mustin Property. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 17B100 (Chimacum Cr @ Chimacum) shows 1 excursions beyond the criterion out of 12 samples collected between 1993 - 2001 measured on these dates: 94/07/25,	MB88JL	5.735	29N	01W	14	Temperature		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Remarks	Medium
				Basis							
17	21955	5	N	CHIMACUM CREEK	MB88JL	14.139	28N	01W	04	Temperature	Water
Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements collected in 1992-1994 and 2001-2002 at Eaglemount Rd. Labbe et al. 2002, shows excursions beyond the criterion from the annual 7-day mean of daily maximum temperature from continuous measurements collected in 2001 and 2002 at Eaglemount Rd.											
17	21956	5	N	CHIMACUM CREEK, E.F.	JD02NV	0.963	29N	01W	14	Temperature	Water
Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements collected in 1992-1996 and 1998-2001 at Beaver Valley Rd. Labbe et al. 2002, shows excursions beyond the criterion from the annual 7-day mean of daily maximum temperature from continuous measurements collected in 1998, 2000 and 2001 at Beaver Valley Rd.											
Port Gamble S'Klallam Tribal data (submitted by Peter Bahls on 10/13/97) show 5 excursions beyond the criterion out of 23 samples (22%) at East Chimacum Creek RM 1.0 (WDF#17.0205) between 1992 and 1994.											
17	21952	5	N	DONAVAN CREEK	UA90CC	0	27N	01W	18	Temperature	Water
Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements collected in 1992-1994 and 2001-2002 at McInnes Rd. Labbe et al. 2002, shows excursions beyond the criterion from the annual 7-day mean of daily maximum temperature from continuous measurements collected in 2001 and 2002 at McInnes Rd.											
17	7673	5	Y	DONOVAN CREEK	KU90XL	0.002	27N	01W	04	Temperature	Water
Port Gamble S'Klallam Tribal data (submitted by Peter Bahls on 10/13/97) show 17 excursions beyond the criterion out of 23 samples (74%) at Donavon Creek RM 0.2 (WDF# 17.0115) between 1992 and 1994.										Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	
17	40985	5	N	HOOD CANAL (NORTH)	390KRD	47122H7D6	47.735	122.765	Dissolved oxygen	Water	
Newton (2004), Hood Canal Study station BANGRW shows 11 of 22 samples exceeded the criterion in year 2003, and 0 of 6 samples exceeded the criterion in year 2004.										This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo, 4/2005)	
17	21951	5	N	HOWE CREEK	CJ49UA	0	28N	02W	34	Temperature	Water
Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements collected in 2001-2002 at Lords Lake Loop Rd.											
Labbe et al. 2002, shows excursions beyond the criterion from the annual 7-day mean of daily maximum temperature from continuous measurements collected in 2001 and 2002 at Lords Lake Loop Rd.											

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Remarks	Medium
				Basis							
17	42824	5	N	JIMMYCOMELATELY CREEK	JW80JU	0.012	29N	03W	12	Dissolved oxygen	Water
Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Jimmycomelately 0.1 shows 3 samples beyond the criterion collected on the following days: 9/30/2000, 9/29/2001, 8/10/2002.											
Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Jimmycomelately 0.6 shows 2 samples beyond the criterion collected on the following days: 10/1/2001, 8/10/2002.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 17C070 (JIMMYCOMELATELY CR NEAR MOUTH) shows 0 excursions beyond the criterion out of 12 samples collected between 1993 - 2001.											
17	21543	5	N	JIMMYCOMELATELY CREEK	JW80JU	0.012	29N	03W	12	Fecal Coliform	Water
Hallock (2004), Dept. of Ecology ambient station 17C070 meets tested standards for fecal coliform.											
Streamkeepers of Clallam County unpublished data show a geometric mean of 1 cfu/100mL from 2 samples collected in 2003 at station JCL 0.1 (JCL upstream of Old Blyn Hwy).											
Streamkeepers of Clallam County unpublished data show a geometric mean of 16 cfu/100mL from 6 samples collected in 2002 at station JCL 0.1 (JCL upstream of Old Blyn Hwy).											
Streamkeepers of Clallam County unpublished data show a geometric mean of 13 cfu/100mL from 5 samples collected in 2001 at station JCL 0.1 (JCL upstream of Old Blyn Hwy).											
Streamkeepers of Clallam County unpublished data show a geometric mean of 55 cfu/100mL from 2 samples collected in 2000 at station JCL 0.1 (JCL upstream of Old Blyn Hwy).											
17	7674	5	Y	JOHNSON CREEK	BV22BE	0	30N	03W	27	Fecal Coliform	Water
Streamkeepers of Clallam County unpublished data show a geometric mean of 103 cfu/100mL from 8 samples collected in 1991 at station Johnson 0.0 (Johnson upstream of Marina). Streamkeepers of Clallam County unpublished data show a geometric mean of 75 cfu/100mL from 6 samples collected in 1992 at station Johnson 0.0 (Johnson upstream of Marina). Streamkeepers of Clallam County unpublished data show a geometric mean of 64 cfu/100mL from 4 samples collected in 1987 at station Johnson 0.0 (Johnson upstream of Marina). Streamkeepers of Clallam County unpublished data show a geometric mean of 41 cfu/100mL from 13 samples collected in 1988 at station Johnson 0.0 (Johnson upstream of Marina). Streamkeepers of Clallam County unpublished data show a geometric mean of 26 cfu/100mL from 5 samples collected in 1989 at station Johnson 0.0 (Johnson upstream of Marina). Streamkeepers of Clallam County unpublished data show a geometric mean of 20 cfu/100mL from 1 samples collected in 1990 at station Johnson 0.0 (Johnson upstream of Marina). Streamkeepers of Clallam County unpublished data show a geometric mean of 6 cfu/100mL from 2 samples collected in 1999 at station Johnson 0.0 (Johnson upstream of Marina). Streamkeepers of Clallam County unpublished data show a geometric mean of 22 cfu/100mL from 7 samples collected in 2000 at station Johnson 0.0 (Johnson upstream of Marina). Streamkeepers of Clallam County unpublished data show a geometric mean of 22 cfu/100mL from 6 samples collected in 2001 at station Johnson 0.0 (Johnson upstream of Marina). Streamkeepers of Clallam County unpublished data show a geometric mean of 21 cfu/100mL from 5 samples collected in 2002 at station Johnson 0.0 (Johnson upstream of Marina).											

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Medium	Remarks	
17	7675	5	Y	LELAND CREEK Port Gamble S'Klallam Tribal data (submitted by Peter Bahls on 10/13/97) show 11 excursions beyond the criterion out of 21 samples (52%) at Leland Creek RM 0.2 (WDF# 17.0077) between 1992 and 1994.	LN92UA	1.797	27N	02W	02	Temperature	Water	TRS was 29N-02W-11 on 1998 list. -kk Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
17	21949	5	N	LELAND CREEK Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements collected in 1992-1994 and 2001-2002 at Rice Lake Rd. Labbe et al. 2002, shows excursions beyond the criterion from the annual 7-day mean of daily maximum temperature from continuous measurements collected in 2001 and 2002 at Rice Lake Rd.	LN92UA	0.652	27N	02W	12	Temperature	Water	
17	7676	5	Y	LITTLE QUILCENE RIVER Port Gamble S'Klallam Tribal data (submitted by Peter Bahls on 10/13/97) show 5 excursions beyond the criterion out of 21 samples (23%) at Little Quilcene RM 2.0 between 1992 and 1994.	XP04IN	2.988	27N	02W	11	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
17	21946	5	N	LITTLE QUILCENE RIVER Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements collected in 1992, 1994 and 2002 at Highway 101. Labbe et al. 2002, shows no excursions beyond the criterion from the annual 7-day mean of daily maximum temperature from continuous measurements collected in 2001-2002 at Highway 101.	XP04IN	2.663	27N	02W	14	Temperature	Water	
17	21931	5	N	MARPLE CREEK Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements collected in 2001-2002 near Bee Mill Rd. Labbe et al. 2002, shows excursions beyond the criterion from the annual 7-day mean of daily maximum temperature from continuous measurements collected in 2001 near Bee Mill Rd.	PL66WB	0	26N	02W	13	Temperature	Water	
17	21950	5	Y	RIPLEY CREEK Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements collected in 1992-1994 and 2001 at Lords Lake Loop Rd. Labbe et al. 2002, shows excursions beyond the criterion from the annual 7-day mean of daily maximum temperature from continuous measurements collected in 2001 at Lords Lake Loop Rd.	HK12KN	0.122	28N	02W	35	Temperature	Water	
17	7682	5	Y	TARBOO CREEK Port Gamble S'Klallam Tribal data (submitted by Peter Bahls on 10/13/97) show 3 excursions beyond the criterion out of 24 samples (13%) at East Fork Tarboo Creek RM 0.5 (WDF# 17.0130) between 1992 and 1994.	KU90XL	0.986	28N	01W	33	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
17	7683	5	Y	TARBOO CREEK Port Gamble S'Klallam Tribal data (submitted by Peter Bahls on 10/13/97) show 15 excursions beyond the criterion out of 24 samples (63%) at Tarboo Creek RM 2.5 (WDF# 17.0129) between 1992 and 1994.	KU90XL	5.906	28N	01W	20	Temperature	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	Water
17	21947	5	N	TARBOO CREEK Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements collected in 1992-1994 and 2002 at Old Tarboo Rd. Labbe et al. 2002, shows no excursions beyond the criterion from the annual 7-day mean of daily maximum temperature from continuous measurements collected in 2002 at Old Tarboo Rd.	KU90XL	4.29	28N	01W	29	Temperature		Water
17	21948	5	N	TARBOO CREEK, E.F. Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements collected in 1992, 1994 and 2001-2002 at Coyle Rd. Labbe et al. 2002, shows no excursions beyond the criterion from the annual 7-day mean of daily maximum temperature from continuous measurements collected in 2001-2002 at Coyle Rd.	CT72HN	0	28N	01W	33	Temperature		Water
18	6972	5	Y	BAGLEY CREEK Clallam County Water Quality Division data (submitted by Joel Freudenthal on 10/7/91) shows that 2 of 2 samples (100%) collected at Hwy 101 in 1991 exceeded the percentile criterion.	YM49RG	1.838	30N	05W	16	Fecal Coliform		Water
18	42965	5	N	BELL CREEK Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Bell 0.1 shows 7 samples beyond the criterion collected on the following days: 1/17/2000, 10/1/2000, 7/28/2000, 8/12/2001, 9/30/2001, 8/15/2002, 10/17/2003.	ZX80OY	0	30N	03W	22	Dissolved oxygen		Water
18	42966	5	N	BELL CREEK Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Bell 0.8 shows 5 samples beyond the criterion collected on the following days: 10/3/2001, 8/15/2001, 1/20/2002, 1/20/2003, 10/17/2003.	ZX80OY	0.4	30N	03W	21	Dissolved oxygen		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information			Parameter	Medium
				Basis				Remarks	
18	7685	5	Y	BELL CREEK	ZX80OY	0	30N 03W 22	Fecal Coliform	Water
Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Bell 0.1 shows in 2001 and 2003 at least one sample exceeded the criterion.									
Streamkeepers of Clallam County unpublished data show a geometric mean of 12 cfu/100mL from 4 samples collected in 2003 at station Bell 0.1 (Bell @ Schmuck Rd).									
Streamkeepers of Clallam County unpublished data show a geometric mean of 13 cfu/100mL from 4 samples collected in 2002 at station Bell 0.1 (Bell @ Schmuck Rd).									
Streamkeepers of Clallam County unpublished data show a geometric mean of 1 cfu/100mL from 1 samples collected in 2002 at station BC01 (Bell Cr. @Schmuck Rd.).									
Streamkeepers of Clallam County unpublished data show a geometric mean of 17 cfu/100mL from 6 samples collected in 2001 at station Bell 0.1 (Bell @ Schmuck Rd).									
Streamkeepers of Clallam County unpublished data show a geometric mean of 42 cfu/100mL from 5 samples collected in 2000 at station Bell 0.1 (Bell @ Schmuck Rd).									
Streamkeepers of Clallam County unpublished data show a geometric mean of 38 cfu/100mL from 3 samples collected in 1999 at station Bell 0.1 (Bell @ Schmuck Rd).									
Streamkeepers of Clallam County unpublished data show a geometric mean of 2070 cfu/100mL from 6 samples collected in 1992 at station Bell 0.1 (Bell @ Schmuck Rd).									
Streamkeepers of Clallam County unpublished data show a geometric mean of 190 cfu/100mL from 1 samples collected in 1990 at station Bell 0.1 (Bell @ Schmuck Rd).									
Streamkeepers of Clallam County unpublished data show a geometric mean of 267 cfu/100mL from 5 samples collected in 1989 at station Bell 0.1 (Bell @ Schmuck Rd).									
Streamkeepers of Clallam County unpublished data show a geometric mean of 863 cfu/100mL from 12 samples collected in 1988 at station Bell 0.1 (Bell @ Schmuck Rd).									
Streamkeepers of Clallam County unpublished data show a geometric mean of 724 cfu/100mL from 4 samples collected in 1987 at station Bell 0.1 (Bell @ Schmuck Rd).									
18	42819	5	N	CASSALERY CREEK	JE42HJ	0.679	30N 03W 05	Dissolved oxygen	Water
Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Cassalery 0.5 shows 2 samples beyond the criterion collected on the following days: 8/5/2000, 8/11/2001.									
18	6973	5	Y	CASSALERY CREEK	JE42HJ	0	31N 03W 32	Fecal Coliform	Water
Clallam County Water Quality Division data (submitted by Joel Freudenthal on 10/7/91) shows that 3 of 4 samples (75%) collected at the mouth exceeded the percentile criterion in 1991.									

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Remarks	Medium
				Basis							
18	21444	5	N	CASSALERY CREEK	JE42HJ	0.679	30N	03W	05	Fecal Coliform	Water
Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Cassalery 0.6 shows in 2002 and 2003 at least one sample exceeded the criterion.											
Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Cassalery 0.5 shows in 2000, 3 of 3 samples (100.0%) exceeded the percentile criterion; in 2001, 3 of 3 samples (100.0%) exceeded the percentile criterion.											
Streamkeepers of Clallam County unpublished data show a geometric mean of 32 cfu/100mL from 2 samples collected in 2003 at station Cassalery 0.6 (Cassalery @Jamestown Rd.)											
Streamkeepers of Clallam County unpublished data show a geometric mean of 899 cfu/100mL from 2 samples collected in 2002 at station Cassalery 0.6 (Cassalery @Jamestown Rd.).											
Streamkeepers of Clallam County unpublished data show a geometric mean of 74 cfu/100mL from 3 samples collected in 2002 at station Cassalery 0.5 (Cassalery d/s of Jamestown Rd).											
Streamkeepers of Clallam County unpublished data show a geometric mean of 20 cfu/100mL from 1 samples collected in 2001 at station Cassalery 0.6 (Cassalery @Jamestown Rd.).											
Streamkeepers of Clallam County unpublished data show a geometric mean of 552 cfu/100mL from 5 samples collected in 2001 at station Cassalery 0.5 (Cassalery d/s of Jamestown Rd).											
Streamkeepers of Clallam County unpublished data show a geometric mean of 274 cfu/100mL from 5 samples collected in 2000 at station Cassalery 0.5 (Cassalery d/s of Jamestown Rd).											
Streamkeepers of Clallam County unpublished data show a geometric mean of 292 cfu/100mL from 1 samples collected in 1999 at station Cassalery 0.5 (Cassalery d/s of Jamestown Rd).											
18	6878	5	Y	DRY CREEK	XN56VX	2.767	30N	07W	12	Temperature	Water
Elwha-Klallam Indian Tribal data (submitted by Michael McHenry on 9/10/93) show a 7-day mean of maximum daily temperatures of 27.7 deg C. at RM 2.5 between 7/92 and 9/92.											
18	40383	5	N	DUNGENESS BAY	390KRD	48123B1F5	48.155	123.155		Fecal Coliform	Water
Department of Health unpublished data collected from station DUNGENESS BAY-108 show a geometric mean of 6 cfu/100mL and 7.14285714285714% of samples exceed the percentile criterion with the last sample collected on 19-Dec-2001.											
Department of Health unpublished data collected from station DUNGENESS BAY-110 show a geometric mean of 6 cfu/100mL and 10.7142857142857% of samples exceed the percentile criterion with the last sample collected on 19-Dec-2001.											
18	6579	5	N	ELWHA RIVER	PB56KA	11.657	30N	07W	28	Temperature	Water
Dept. of Ecology unpublished data from core ambient monitoring station 18B070 (Elwha R. near Port Angeles) shows a 7-day mean of daily maximum values of 16.6 for mid-week 11 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 18B070 (ELWHA RIVER NEAR PORT ANGELES) shows 0 excursions beyond the criterion out of 54 samples collected between 1993 - 2001											

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
18	7023	5	N	ELWHA RIVER	PB56KA	5.071	30N	07W	10	Total PCBs		Tissue
Serdar, 1999. excursions beyond the National Toxics Rule criterion in rainbow trout collected in 1999.												
18	9924	5	N	MCALLISTER CREEK	JQ29HX	0.619	31N	03W	37	Fecal Coliform		Water
Sargeant (2002) station MC0.8 (MC0.8) shows the geometric mean of 13 does not exceed the criterion and that 0 % of the samples does not exceed the percentile criterion from 3 samples collected during 1999.; Sargeant (2002) station MC0.8 (MC0.8) shows the geometric mean of 66 does not exceed the criterion and that 19 % of the samples exceeds the percentile criterion from 16 samples collected during 2000.;												
Sargeant (2002) station MC1.7T (MC1.7T) shows the geometric mean of 121 exceeds the criterion and that 31 % of the samples exceeds the percentile criterion from 13 samples collected during 2000.												
18	9925	5	N	MCALLISTER CREEK	JQ29HX	2.754	31N	03W	31	Fecal Coliform		Water
Sargeant (2002) station MC1.9 (MC1.9) shows the geometric mean of 32 does not exceed the criterion and that 0 % of the samples does not exceed the percentile criterion from 4 samples collected during 1999.; Sargeant (2002) station MC1.9 (MC1.9) shows the geometric mean of 119 exceeds the criterion and that 31 % of the samples exceeds the percentile criterion from 16 samples collected during 2000.;												
Sargeant (2002) station MC2.0 (MC2.0) shows the geometric mean of 174 exceeds the criterion and that 33 % of the samples exceeds the percentile criterion from 9 samples collected during 2000.; ;												

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information	Parameter	Remarks	Medium
				Basis				
18	21467	5	N	PEABODY CREEK	JY97IB 0 30N 06W 01	Fecal Coliform		Water
Streamkeepers of Clallam County unpublished data show a geometric mean of 10 cfu/100mL from 1 samples collected in 2003 at station Peabody 0.2 (Peabody @ 2nd St).								
Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Peabody 0.3 shows in 2003, 2 of 4 samples (50.0%) exceeded the percentile criterion.								
Streamkeepers of Clallam County unpublished data show a geometric mean of 212 cfu/100mL from 2 samples collected in 2003 at station Peabody 0.3 (Peabody @trailer park laundry).								
Streamkeepers of Clallam County unpublished data show a geometric mean of 14 cfu/100mL from 2 samples collected in 2002 at station Peabody 0.0 (Peabody @ mouth).								
Streamkeepers of Clallam County unpublished data show a geometric mean of 48 cfu/100mL from 4 samples collected in 2002 at station Peabody 0.2 (Peabody @ 2nd St).								
Streamkeepers of Clallam County unpublished data show a geometric mean of 31 cfu/100mL from 2 samples collected in 2002 at station Peabody 0.3 (Peabody @trailer park laundry).								
Streamkeepers of Clallam County unpublished data show a geometric mean of 631 cfu/100mL from 4 samples collected in 2001 at station Peabody 0.0 (Peabody @ mouth).								
Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Peabody 0.2 shows in 2001, 3 of 6 samples (50.0%) exceeded the percentile criterion; and a geometric mean of 278.78 from 6 samples exceeded the criterion.								
Streamkeepers of Clallam County unpublished data show a geometric mean of 291 cfu/100mL from 7 samples collected in 2001 at station Peabody 0.2 (Peabody @ 2nd St).								
Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Peabody 0.2a2 shows in 2001, 2 of 2 samples (100.0%) exceeded the percentile criterion.								
Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Peabody 0.2a4 shows in 2001, 2 of 2 samples (100.0%) exceeded the percentile criterion.								
Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Peabody 0.2b shows in 2001, 2 of 2 samples (100.0%) exceeded the percentile criterion.								
Streamkeepers of Clallam County unpublished data show a geometric mean of 26 cfu/100mL from 6 samples collected in 2001 at station Peabody 0.3 (Peabody @trailer park laundry).								
Streamkeepers of Clallam County unpublished data show a geometric mean of 20 cfu/100mL from 1 samples collected in 2001 at station Peabody 0.4 (Peabody @ Peabody St culvert).								
Streamkeepers of Clallam County unpublished data show a geometric mean of 32 cfu/100mL from 1 samples collected in 2001 at station Peabody 0.5 (Peabody u/s of Peabody St).								
Streamkeepers of Clallam County unpublished data show a geometric mean of 86 cfu/100mL from 1 samples collected in 2001 at station Peabody 0.6 (Peabody d/s of 5 St. Culvert).								
Streamkeepers of Clallam County unpublished data show a geometric mean of 22 cfu/100mL from 2 samples collected in 2001 at station Peabody 0.9 (Peabody u/s of 8 St.).								

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium	Remarks
					Basis						
					Streamkeepers of Clallam County unpublished data show a geometric mean of 21 cfu/100mL from 2 samples collected in 2001 at station Peabody 1.0 (Peabody @ 9th St).						
					Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Peabody 0.0 shows in 2000, 2 of 3 samples (66.7%) exceeded the percentile criterion; in 2001, 2 of 3 samples (66.7%) exceeded the percentile criterion.						
					Streamkeepers of Clallam County unpublished data show a geometric mean of 69 cfu/100mL from 3 samples collected in 2000 at station Peabody 0.0 (Peabody @ mouth).						
					Streamkeepers of Clallam County unpublished data show a geometric mean of 102 cfu/100mL from 2 samples collected in 2000 at station Peabody 0.2 (Peabody @ 2nd St).						
					Streamkeepers of Clallam County unpublished data show a geometric mean of 22 cfu/100mL from 2 samples collected in 1999 at station Peabody 0.0 (Peabody @ mouth).						
18	10312	5	Y	PORT ANGELES HARBOR	390KRD	48123B4D6	48.135	123.465	Dissolved oxygen	Water	
					Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station PAH003 (Port Angeles Harbor - Ediz Hook Head) shows excursions beyond the criterion in 2001 and 2002.						Considered for removal from Category 5, but further research of available literature, see BPJ Albertson 2005, and SAIC 1999. 03/07/05 -kk
											Albertson 2005, analyses at the 20 meter depth suggest
											could be additional anthropogenic effect on the DO concentrations of upwelled water entering the bay.
											SAIC 1999, accumulation of wood waste contributes to apparent high sediment oxygen demand, degraded benthic habitat (OSI less than zero) was observed in the near shore areas of the western harbor, bacterial mats indicating
											loading and low dissolved oxygen conditions were observed
											the western harbor.
											Floyd Snider McCarthy, Inc. and Evans-Hamilton, 2002, suggests that low dissolved oxygen concentrations are directly tied to conditions in the Strait of Juan de Fuca. The data indicate that tidal flushing rates in Port Angeles Harbor supply or remove much more oxygen than the oxygen demand that may be caused by human factors.
18	42979	5	N	SIEBERT CREEK, W.F.	SF89WR	3.254	29N	05W	22	Dissolved oxygen	Water
					Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Siebert WF 2.3 shows 3 samples beyond the criterion collected on the following days: 7/26/2001, 9/24/2001, 8/27/2002.						

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
18	40377	5	N	STRAIT OF JUAN DE FUCA (EAST) Department of Health unpublished data collected from station DUNGENESE BAY-104 show a geometric mean of 9 cfu/100mL and 10.7142857142857% of samples exceed the percentile criterion with the last sample collected on 19-Dec-2001. Department of Health unpublished data collected from station DUNGENESE BAY-105 show a geometric mean of 9 cfu/100mL and 21.4285714285714% of samples exceed the percentile criterion with the last sample collected on 19-Dec-2001.	390KRD	48123B1F4	48.155	123.145	Fecal Coliform		Water
18	40379	5	N	STRAIT OF JUAN DE FUCA (EAST) Department of Health unpublished data collected from station DUNGENESE BAY-106 show a geometric mean of 7 cfu/100mL and 17.8571428571429% of samples exceed the percentile criterion with the last sample collected on 19-Dec-2001.	390KRD	48123B1G4	48.165	123.145	Fecal Coliform		Water
18	40380	5	N	STRAIT OF JUAN DE FUCA (EAST) Department of Health unpublished data collected from station DUNGENESE BAY-107 show a geometric mean of 6 cfu/100mL and 10.7142857142857% of samples exceed the percentile criterion with the last sample collected on 19-Dec-2001. Department of Health unpublished data collected from station EAST STRAITS-116 show a geometric mean of 2 cfu/100mL and 0% of samples exceed the percentile criterion with the last sample collected on 8-Nov-2001.	390KRD	48123B1H4	48.175	123.145	Fecal Coliform		Water
18	40382	5	N	STRAIT OF JUAN DE FUCA (EAST) Department of Health unpublished data collected from station DUNGENESE BAY-109 show a geometric mean of 6 cfu/100mL and 10.7142857142857% of samples exceed the percentile criterion with the last sample collected on 19-Dec-2001.	390KRD	48123B1G6	48.165	123.165	Fecal Coliform		Water
18	40384	5	N	STRAIT OF JUAN DE FUCA (EAST) Department of Health unpublished data collected from station DUNGENESE BAY-111 show a geometric mean of 5 cfu/100mL and 14.2857142857143% of samples exceed the percentile criterion with the last sample collected on 19-Dec-2001.	390KRD	48123B1F6	48.155	123.165	Fecal Coliform		Water
18	40385	5	N	STRAIT OF JUAN DE FUCA (EAST) Department of Health unpublished data collected from station DUNGENESE BAY-112 show a geometric mean of 5 cfu/100mL and 10.7142857142857% of samples exceed the percentile criterion with the last sample collected on 19-Dec-2001.	390KRD	48123B1E7	48.145	123.175	Fecal Coliform		Water
18	40386	5	N	STRAIT OF JUAN DE FUCA (EAST) Department of Health unpublished data collected from station DUNGENESE BAY-113 show a geometric mean of 9 cfu/100mL and 21.4285714285714% of samples exceed the percentile criterion with the last sample collected on 19-Dec-2001.	390KRD	48123B1F3	48.155	123.135	Fecal Coliform		Water
18	40387	5	N	STRAIT OF JUAN DE FUCA (EAST) Department of Health unpublished data collected from station DUNGENESE BAY-114 show a geometric mean of 7 cfu/100mL and 10.7142857142857% of samples exceed the percentile criterion with the last sample collected on 19-Dec-2001.	390KRD	48123B1F2	48.155	123.125	Fecal Coliform		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Remarks	Medium
				Basis							
18	21484	5	N	TUMWATER CREEK	ZY80RT	0	30N	06W	01	Fecal Coliform	Water
<p>Streamkeepers of Clallam County unpublished data show a geometric mean of 26 cfu/100mL from 2 samples collected in 2003 at station Tumwater 0.1 (Tumwater u/s of Marine Dr).</p> <p>Streamkeepers of Clallam County unpublished data show a geometric mean of 34 cfu/100mL from 5 samples collected in 2002 at station Tumwater 0.1 (Tumwater u/s of Marine Dr).</p> <p>Streamkeepers of Clallam County unpublished data show a geometric mean of 69 cfu/100mL from 6 samples collected in 2001 at station Tumwater 0.1 (Tumwater u/s of Marine Dr).</p> <p>Streamkeepers of Clallam County unpublished data show a geometric mean of 107 cfu/100mL from 5 samples collected in 2000 at station Tumwater 0.1 (Tumwater u/s of Marine Dr).</p> <p>Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Tumwater 0.1 shows in 2000, 2 of 4 samples (50.0%) exceeded the percentile criterion.</p> <p>Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Tumwater 0.4 shows in 2001, at least one sample exceeded the criterion.</p> <p>Streamkeepers of Clallam County unpublished data show a geometric mean of 14 cfu/100mL from 4 samples collected in 2001 at station Tumwater 0.4 (Tumwater @d/s end of Truck Rt culvert).</p> <p>Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Tumwater 0.6 shows in 2001, at least one sample exceeded the criterion.</p> <p>Streamkeepers of Clallam County unpublished data show a geometric mean of 8 cfu/100mL from 1 samples collected in 2002 at station Tumwater 0.6 (Tumwater d/s of 8 St.).</p> <p>Streamkeepers of Clallam County unpublished data show a geometric mean of 8 cfu/100mL from 4 samples collected in 2001 at station Tumwater 0.6 (Tumwater d/s of 8 St.).</p> <p>Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Tumwater 0.8 shows in 2003, at least one sample exceeded the criterion.</p> <p>Streamkeepers of Clallam County unpublished data show a geometric mean of 14 cfu/100mL from 4 samples collected in 2001 at station Tumwater 0.8 (Tumwater nr. 11 St., d/s of storm outflow channel).</p> <p>Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Tumwater 0.8a shows in 2002, at least one sample exceeded the criterion.</p> <p>Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Tumwater 0.8b shows in 2001 and 2003 at least one sample exceeded the criterion.</p> <p>Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Tumwater 0.8c shows in 2002, at least one sample exceeded the criterion.</p> <p>Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Tumwater 0.8d2 shows in 2001, at least one sample exceeded the criterion.</p> <p>Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Tumwater 0.8e shows in 2001 and 2003 at least one sample exceeded the criterion.</p>											

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
18	9927	5	N	UNNAMED CREEK Sargeant (2002) station HC0.2 (HC0.2) shows the geometric mean of 8 does not exceed the criterion and that 0 % of the samples does not exceed the percentile criterion from 5 samples collected during 1999.; Sargeant (2002) station HC0.2 (HC0.2) shows the geometric mean of 15 does not exceed the criterion and that 13 % of the samples exceeds the percentile criterion from 15 samples collected during 2000.;	FI52VB	1.054	30N	04W	01	Fecal Coliform		Water
19	6884	5	Y	CLALLAM RIVER Elwha-Klallam Tribal data (submitted by Michael McHenry on 9/10/93) show a 7-day mean of maximum daily temperatures of 16.8 deg C. at RM 5.7 during 1992. A 2514 watershed planning project that includes a water quality element is underway in this watershed.	NY49PY	7.234	31N	12W	04	Temperature		Water
19	6885	5	Y	CLALLAM RIVER Elwha-Klallam Tribal data (submitted by Michael McHenry on 9/10/93) show a 7-day mean of maximum daily temperatures of 19.4 deg C. at RM 1.5 during 1992. A 2514 watershed planning project that includes a water quality element is underway in this watershed.	NY49PY	0.79	32N	12W	21	Temperature		Water
19	6226	5	Y	DEEP CREEK Lower Elwha Tribal data (submitted by Michael McHenry on 9/10/93) show fine sediment levels as 'poor' (17.7%) at RM 2.5 in 1990 and 1992. SASSI, 1993. Coho salmon and steelhead are depressed, Chum salmon are critical. Information from the Lower Elwha Tribe show the habitat impact are due to forest practices in the watershed.	DB51HV	3.67	31N	10W	31	Fine Sediment	A 2514 watershed planning project that includes a water quality element is underway in this watershed.	Water
19	6227	5	Y	DEEP CREEK Lower Elwha Tribal data (submitted by Michael McHenry on 9/10/93) show fine sediment levels as 'poor' (23.2%) at RM 1.4 in 1990 and 1992. SASSI, 1993. Coho salmon and steelhead are depressed, Chum salmon are critical. Information from the Lower Elwha Tribe show the habitat impact are due to forest practices in the watershed.	DB51HV	1.752	31N	10W	30	Fine Sediment	A 2514 watershed planning project that includes a water quality element is underway in this watershed.	Water
19	6231	5	Y	DEEP CREEK Lower Elwha Tribal data (submitted by Michael McHenry on 9/10/93) show fine sediment levels as 'poor' (18.4%) at RM 0.4 in 1990 and 1992. SASSI, 1993. Coho salmon and steelhead are depressed, Chum salmon are critical. Information from the Lower Elwha Tribe show the habitat impact are due to forest practices in the watershed.	DB51HV	0.519	31N	10W	19	Fine Sediment	A 2514 watershed planning project that includes a water quality element is underway in this watershed.	Water
19	6879	5	Y	DEEP CREEK Schuett-Hames and Malkin, 1993. (submitted by Michael McHenry on 9/10/93) show 24 excursions beyond the criterion out of 31 samples (77%) at Deep Creek RM 0.25 during 1992.	DB51HV	0.519	31N	10W	19	Temperature	TRS was 31N-10W-20 on 1998 list. -kk Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment. A 2514 watershed planning project that includes a water quality element is underway in this watershed.	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	Remarks
				Basis								
data	19	6880	5	Y	DEEP CREEK	DB51HV	3.67	31N	10W	31	Temperature	Water
	Schuett-Hames and Malkin, 1993. (submitted by Michael McHenry on 9/10/93) show 26 excursions beyond the criterion out of 57 samples (46%) at Deep Creek										Continuous temperature measurements were taken, but	
	RM 2.5 during 1992.										were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	
A 2514 watershed planning project that includes a water quality element is underway in this watershed.												
data	19	6881	5	Y	DEEP CREEK	DB51HV	1.752	31N	10W	30	Temperature	Water
	Schuett-Hames and Malkin, 1993. (submitted by Michael McHenry on 9/10/93) show 31 excursions beyond the criterion out of 57 samples (54%) at the mouth of										Continuous temperature measurements were taken, but	
	E.F. Deep Creek during 1992.										were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	
A 2514 watershed planning project that includes a water quality element is underway in this watershed.												
	19	34999	5	N	DEEP CREEK	DB51HV	6.582	30N	11W	01	Temperature	Water
	Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) show a 7-day mean of maximum daily temperature of 16.08 degrees C on the week ending 7-25-2002, with a maximum daily temperature of 16.67 degrees C from continuous measurements collected in 2002 at RM 4.528 (station ID Deep Crk 02).										Ecology staff reviewed this listing in 2003 for natural conditions, but could not rule out the possibility that human activities contributed to the excursion(s).	
	Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) show a 7-day mean of maximum daily temperature of 15.6 degrees C on the week ending 8-14-2001, with a maximum daily temperature of 16.3 degrees C from continuous measurements collected in 2001 at RM 4.528 (station ID RM3.0).										A 2514 watershed planning project that includes a water quality element is underway in this watershed.	
	19	7688	5	Y	GREEN CREEK	CS94VY	3.405	31N	12W	22	Temperature	Water
	Caldwell, et al. 1991. Numerous excursions beyond the criterion at 4 sites on the segment during 8/90.										Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	
	19	6882	5	Y	LITTLE HOKO RIVER	CC22VG	0	32N	13W	22	Temperature	Water
	Elwha-Klallam Indian Tribal data (submitted by Michael McHenry on 9/10/93) show a 7-day mean of maximum daily temperatures of 18.7 deg C. at RM 0.1 during 1992.										A 2514 watershed planning project that includes a water quality element is underway in this watershed.	
	19	6883	5	N	LITTLE HOKO RIVER	CC22VG	1.825	32N	13W	26	Temperature	Water
	Elwha-Klallam Indian Tribal data (submitted by Michael McHenry on 9/10/93) show a 7-day mean of maximum daily temperatures of 16.9 deg C. RM 2.0 during 1992.										A 2514 watershed planning project that includes a water quality element is underway in this watershed.	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Medium	
									Remarks		
19	7689	5	Y	SEKIU RIVER Makah Indian Tribal data (submitted by Ned Currence on 2/28/96) show 37 excursions beyond the criterion in 1994.	YZ08ZH	0	32N	13W	08	Temperature	Water
									Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.		
									A 2514 watershed planning project that includes a water quality element is underway in this watershed.		
19	7690	5	Y	SEKIU RIVER, N.F. Makah Indian Tribal data (submitted by Ned Currence on 2/28/96) show 9 excursions beyond the criterion in 1994.	GR38JB	0	32N	14W	15	Temperature	Water
									Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.		
									A 2514 watershed planning project that includes a water quality element is underway in this watershed.		
19	7691	5	Y	SEKIU RIVER, S.F. Makah Indian Tribal data (submitted by Ned Currence on 2/28/96) show 38 excursions beyond the criterion in 1994.	SN23GH	0	32N	14W	15	Temperature	Water
									Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.		
									A 2514 watershed planning project that includes a water quality element is underway in this watershed.		
19	40419	5	N	STRAIT OF JUAN DE FUCA (WEST) Department of Health unpublished data collected from station EAST STRAITS-142 show a geometric mean of 6 cfu/100mL and 17.2413793103448% of samples exceed the percentile criterion with the last sample collected on 18-Dec-2001.	390KRD	48124B1J0	48.195	124.105		Fecal Coliform	Water
									A 2514 watershed planning project that includes a water quality element is underway in this watershed.		
20	6895	5	Y	ALDER CREEK Hoh Tribal data (submitted by Jim Hatten on 9/16/93) show a 7-day mean of daily maximum temperature of 17.8 deg. C during 1992.	LC98SB	0	27N	12W	27	Temperature	Water
20	6893	5	Y	ANDERSON CREEK Hoh Tribal data (submitted by Jim Hatten on 9/16/93) show a 7-day mean of daily maximum temperature of 16.6 deg. C during 1992.	FL17VR	0.51	26N	13W	12	Temperature	Water
20	42889	5	N	BEAR CREEK Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Bear 5.1 shows 4 samples beyond the criterion collected on the following days: 8/2/2000, 9/15/2001, 10/12/2002, 8/16/2002.	PC63WG	7.855	30N	11W	18	Dissolved oxygen	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks
20	7692	5	Y	BEAVER CREEK Quileute Tribe data (submitted by Ron Figler-Barnes on 2/27/96) show 44 excursions beyond out of 80 samples near the mouth the criterion during 1994.	BL97WS	0	30N	12W	30	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	6754	5	N	BIG RIVER National Park Service data from the STORET database station OLYM_NPS_BR (BIG RIVER UPSTREAM FROM LAKE OZETTE) shows 4 excursions beyond the criterion out of 16 samples collected between 01/93 - 12/97. Meyer and Brinkman, 2001. show 3 excursions beyond the criterion out of 16 measurements collected in 1993 and 1994.	YP93MT	3.261	30N	15W	10	pH	Water	Low pH
20	7693	5	Y	BOGACHIEL RIVER Quileute Tribe data (submitted by Ron Figler-Barnes on 2/27/96) show 6 excursions beyond the criterion out of 7 samples at RM 0 between 1992 and 1995.	PP27XG	0	28N	14W	29	Temperature	Water	TRS was 28N-14W-30 on 1998 list. -kk Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	7696	5	Y	BOGACHIEL RIVER Quileute Tribe data (submitted by Ron Figler-Barnes on 2/27/96) show 2 excursions beyond the criterion out of 2 samples at RM 8.7 between 1992 and 1995.	PP27XG	11.178	28N	14W	13	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	7697	5	Y	BOGACHIEL RIVER Quileute Tribe data (submitted by Ron Figler-Barnes on 2/27/96) show 6 excursions beyond the criterion out of 7 samples at RM 9 between 1992 and 1995.	PP27XG	13.365	28N	13W	18	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	7698	5	Y	BOGACHIEL RIVER Quileute Tribe data (submitted by Ron Figler-Barnes on 2/27/96) show 4 excursions beyond the criterion out of 5 samples at RM 9.8 between 1992 and 1995.	PP27XG	15.186	28N	13W	20	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks
20	7699	5	Y	BOGACHIEL RIVER Quileute Tribe data (submitted by Ron Figler-Barnes on 2/27/96) show 2 excursions beyond the criterion out of 2 samples at RM 12.6 between 1992 and 1995.	PP27XG	18.965	28N	13W	28	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	7700	5	Y	BOGACHIEL RIVER Quileute Tribe data (submitted by Ron Figler-Barnes on 2/27/96) show 5 excursions beyond the criterion out of 6 samples at RM 15.7 between 1992 and 1995.	PP27XG	22.117	28N	13W	34	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	7701	5	Y	BOGACHIEL RIVER Quileute Tribe data (submitted by Ron Figler-Barnes on 2/27/96) show 5 excursions beyond the criterion out of 5 samples at RM 20 between 1992 and 1995.	PP27XG	29.61	27N	12W	06	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	35021	5	N	CALAWAH RIVER, S.F. Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) show a 7-day mean of maximum daily temperature of 18.7 degrees C on the week ending 8-9-2000, with a maximum daily temperature of 19.6 degrees C from continuous measurements collected in 2000 at RM 5.96 (station ID RM 16.5). Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) show a 7-day mean of maximum daily temperature of 19.48 degrees C on the week ending 7-27-2002, with a maximum daily temperature of 20.31 degrees C from continuous measurements collected in 2002 at RM 5.96 (station ID SF Calawah). Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) show a 7-day mean of maximum daily temperature of 17.7 degrees C on the week ending 7-12-2001, with a maximum daily temperature of 18.9 degrees C from continuous measurements collected in 2001 at RM 5.96 (station ID SF Calawah).	SY69TS	8.953	28N	12W	10	Temperature	Water	Olympic National Forest provide rationale that the measured excursions beyond the criterion are a natural condition (submitted by Dale Hom on 15 January 2003). Ecology staff reviewed this listing in 2003 for natural conditions, but could not rule out the possibility that human activities contributed to the excursion(s).
20	5813	5	N	COAL CREEK National Park Service data from the STORET database station OLYM_NPS_COC (COAL CREEK UPSTREAM FROM LAKE OZETTE) shows 6 excursions beyond the criterion out of 14 samples collected between 01/93 - 12/97. National Park Service data from the STORET database station OLYM_NPS_RM-COC (COAL CREEK) shows 2 excursions beyond the criterion out of 3 samples collected between 01/93 - 12/97. Meyer and Brinkman, 2001. show 6 excursions beyond the criterion out of 14 measurements collected in 1993 and 1994.	ME00NJ	0.128	31N	15W	29	pH	Water	Low pH

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Medium	Remarks	
20	7703	5	Y	COAL CREEK Quileute Tribe data (submitted by Ron Barnes on 9/9/93) show numerous excursions beyond the criterion between 6/23/92 and 9/28/92 at T28N-R15W-S12 .	CG80EL	0	28N	15W	12	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	7704	5	Y	COAL CREEK Quileute Tribe data (submitted by Ron Barnes on 9/9/93) show numerous excursions beyond the criterion between 6/23/92 and 9/28/92 at T29-R15W-S35.	CG80EL	4.609	29N	15W	35	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	5815	5	N	CROOKED CREEK National Park Service data from the STORET database station OLYM_NPS_CRC (CROOKED CREEK UPSTREAM FROM LAKE OZETTE) shows 8 excursions beyond the criterion out of 15 samples collected between 01/93 - 12/97. Meyer and Brinkman, 2001. show 8 excursions beyond the criterion out of 15 measurements collected in 1993 and 1994.	RZ31SI	0.564	30N	15W	14	pH	Water	Low pH
20	7705	5	Y	CROOKED CREEK, N.F. Quileute Tribe data (submitted by Ron Barnes on 9/9/93) show numerous excursions beyond the criterion between 6/23/92 and 9/28/92 .	AS33ML	0.049	30N	14W	18	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	16743	5	N	DICKEY RIVER Hallock (2001) Dept. of Ecology Ambient Monitoring Station 20D070 (Dickey R nr La Push) shows a geometric mean of 51 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 3 samples collected during 1996.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 20D070 (Dickey R nr La Push) shows a geometric mean of 13 does not exceed the criterion and that 22% of the samples exceeds the percentile criterion from 9 samples collected during 1997.	VG74CO	10.186	29N	14W	31	Fecal Coliform	Water	
20	7707	5	Y	DICKEY RIVER, E.F. Quileute Tribe data (submitted by Ron Barnes on 9/9/93) show numerous excursions beyond the criterion between 7/19/90 and 9/20/90 at T29N-R14W-S29 .	GM16OG	0.768	29N	14W	29	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	7708	5	Y	DICKEY RIVER, E.F. Quileute Tribe data (submitted by Ron Barnes on 9/9/93) show numerous excursions beyond the criterion between 7/19/90 and 9/20/90 at T30N-R13W-S30.	GM16OG	23.317	30N	13W	30	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks
20	7709	5	Y	DICKEY RIVER, M.F. Quileute Tribe data (submitted by Ron Barnes on 9/9/93) show 2 excursions beyond the criterion between 7/24/91 and 7/30/91 at T30N-R14W-S23.	MX37BQ	3.557	30N	14W	23	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	7710	5	Y	DICKEY RIVER, M.F. Quileute Tribe data (submitted by Ron Barnes on 9/9/93) show 2 excursions beyond the criterion between 7/24/91 and 7/30/91 at T30N-R14W-S14 .	MX37BQ	4.618	30N	14W	14	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	7711	5	Y	DICKEY RIVER, W.F. Quileute Tribe data (submitted by Ron Barnes on 9/9/93) show numerous excursions beyond the criterion between 7/19/90 and 10/14/91 at T29N-R14W-S30 .	KJ18QR	0	29N	14W	30	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	7712	5	Y	DICKEY RIVER, W.F. Quileute Tribe data (submitted by Ron Barnes on 9/9/93) show numerous excursions beyond the criterion between 7/19/90 and 10/14/91 at T30-R14W-S21.	KJ18QR	20.001	30N	14W	21	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	7713	5	Y	ELK CREEK Horrocks and Lombard, 1995. , 10 excursions beyond the criterion out of 62 samples (16%) at RM 1.8 during 1994.	OZ81SL	0.917	27N	12W	35	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	6898	5	Y	FISHER CREEK Hoh Tribal data (submitted by Jim Hatten on 9/16/93) show a 7-day mean of daily maximum temperature of 19.8 deg. C during 1992.	FA00MP	3.759	27N	10W	34	Temperature	Water	Note: Location depicted on map and described by WASWIS ID and Lower Route Address is the closest mappable unit. FISHER CREEK is actually a tributary from the southwestern corner of section 34, to the west of FISHER CREEK. -kk

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	Remarks	
				Basis									
20	7715	5	Y	LAKE CREEK	EL07WK	2.132	30N	13W	33	Dissolved oxygen	Water	Quileute Tribal data (submitted by Ron Figler-Barnes on 2/27/96) show 7 excursions beyond the criterion out of 7 samples at RM 2 between 1994 and 1995.	During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues
to													be impaired. (Braley, ECY/WQP, 2003)
20	7716	5	Y	LAKE CREEK	EL07WK	2.31	30N	13W	34	Dissolved oxygen	Water	Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Lake 1.6 shows 4 samples beyond the criterion collected on the following days: 8/3/2000, 8/5/2001, 8/24/2003, 10/15/2002.	During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues
Quileute Tribal data (submitted by Ron Figler-Barnes on 2/27/96) show 8 excursions beyond the criterion out of 20 samples at RM 2.75 between 1992 and 1995.													be impaired. (Braley, ECY/WQP, 2003)
20	42844	5	N	LAKE CREEK	EL07WK	0.696	29N	13W	04	Dissolved oxygen	Water	Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Lake 0.7 shows 3 samples beyond the criterion collected on the following days: 8/3/2000, 8/5/2001, 9/19/2001.	
20	7714	5	Y	LAKE CREEK	EL07WK	2.132	30N	13W	33	Temperature	Water	Quileute Tribe data (submitted by Ron Figler-Barnes on 2/27/96) show 5 excursions beyond the criterion out of 7 samples at RM 2 between 1994 and 1995.	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	7717	5	Y	LAKE CREEK	EL07WK	2.31	30N	13W	34	Temperature	Water	Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Lake 1.6 shows shows the criterion was exceeded on the following 4 days: 8/3/2000, 8/5/2001, 9/15/2001, 8/24/2003.	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	6894	5	Y	LINE CREEK	SC06WV	1.321	26N	10W	03	Temperature	Water	Hoh Tribal data (submitted by Jim Hatten on 9/16/93) show a 7-day mean of daily maximum temperature of 17.7 deg. C during 1992.	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
20	6892	5	Y	MAPLE CREEK Hoh Tribal data (submitted by Jim Hatten on 9/16/93) show a 7-day mean of daily maximum temperature of 16.1 deg. C during 1992.	PT52FH	0	27N	11W	35	Temperature		Water
20	7718	5	Y	MAXFIELD CREEK Quileute Tribal data (submitted by Ron Barnes on 9/9/93) show numerous excursions beyond the criterion between 6/22/92 and 9/28/92 at T28N-R14W-S28.	YH73YS	0	28N	14W	28	Temperature	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	Water
20	6897	5	Y	NOLAN CREEK Hoh Tribal data (submitted by Jim Hatten on 9/16/93) show a 7-day mean of daily maximum temperature of 18.7 deg. C during 1992.	MF35YT	1.831	26N	13W	24	Temperature		Water
20	6890	5	Y	OWL CREEK Hatten, 1992. , shows 18 excursions beyond the criterion in 1991.; Hoh Tribe data (submitted by Jim Hatten on 9/16/93) show a 7-day mean of daily maximum temperature of 18.1 deg. C during 1992.	QH68OQ	0	27N	11W	35	Temperature		Water
20	35023	5	N	SITKUM RIVER Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) show a 7-day mean of maximum daily temperature of 20.44 degrees C on the week ending 7-27-2002, with a maximum daily temperature of 21.64 degrees C from continuous measurements collected in 2002 at RM 0.108 (station ID Siktum). Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) show a 7-day mean of maximum daily temperature of 18.3 degrees C on the week ending 7-12-2001, with a maximum daily temperature of 20.2 degrees C from continuous measurements collected in 2001 at RM 0.108 (station ID Siktum). Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) show a 7-day mean of maximum daily temperature of 19.1 degrees C on the week ending 8-9-2000, with a maximum daily temperature of 20.2 degrees C from continuous measurements collected in 2000 at RM 0.108 (station ID RM 0.25). Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) show a 7-day mean of maximum daily temperature of 20.4 degrees C on the week ending 7-29-1998, with a maximum daily temperature of 21.8 degrees C from continuous measurements collected in 1998 at RM 0.108 (station ID RM 0.2).	PY49WZ	0	28N	12W	10	Temperature	Ecology staff reviewed this listing in 2003 for natural conditions, but could not rule out the possibility that human activities contributed to the excursion(s).	Water
20	35026	5	N	SITKUM RIVER Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) show a 7-day mean of maximum daily temperature of 18.6 degrees C on the week ending 7-31-1998, with a maximum daily temperature of 19.6 degrees C from continuous measurements collected in 1998 at RM 2.8 (station ID RM 2.8).	PY49WZ	3.428	28N	12W	12	Temperature	Ecology staff reviewed this listing in 2003 for natural conditions, but could not rule out the possibility that human activities contributed to the excursion(s).	Water
20	14131	5	N	SIWASH CREEK Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Siwash 0.0 shows 1 sample beyond the criterion collected on the following day: 10/8/2002. Meyer and Brinkman, 2001, show 2 excursions beyond the criterion in 1993 and 1994.	NT44LS	0.313	30N	15W	34	Dissolved oxygen	Changed from Category 2 to Category 5 on 01/21/05 due to consolidation with Listing ID 42875 (cat 2). -kk	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium	Remarks	
				Basis								
high to	20	5824	5	N	SOLEDUCK RIVER	EC91QM	93.129	29N	09W	32	pH	Water
					National Park Service data from the STORET database station OLYM_NPS_SD1 (SOL DUC RIVER UPSTREAM FROM RESORT) shows 0 excursions beyond the criterion out of 3 samples collected between 01/93 - 12/97.				High pH.			
					National Park Service data from the STORET database station OLYM_NPS_SD2 (SOL DUC RIVER AT THE RESORT TRAILER PARK) shows 2 excursions beyond the criterion out of 3 samples collected between 01/93 - 12/97.				This may be a natural condition. It is unclear whether the pH readings are the result of anthropogenic sources or due natural geothermal activity. More study is needed.			
					National Park Service data from the STORET database station OLYM_NPS_SD3 (SOL DUC RIVER AT HOT SPRINGS RESORT POOL OUTLET) shows 3 excursions beyond the criterion out of 3 samples collected between 01/93 - 12/97.							
					National Park Service data from the STORET database station OLYM_NPS_SD4 (SOL DUC RIVER AT THE RESORT CONCRETE BRIDGE) shows 1 excursions beyond the criterion out of 3 samples collected between 01/93 - 12/97.							
					National Park Service data from the STORET database station OLYM_NPS_SD5 (SOL DUC RIVER 800M DOWNSTREAM FROM RESORT BRIDGE) shows 0 excursions beyond the criterion out of 3 samples collected between 01/93 - 12/97.							
	20	7723	5	Y	SOLEDUCK RIVER	EC91QM	1.511	28N	14W	17	Temperature	Water
					Quileute Tribe data (submitted by Ron Figler-Barnes on 2/27/96) show 3 excursions beyond the criterion out of 4 samples at RM 6.5 between 1992 and 1995.				Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.			
	20	7724	5	Y	SOLEDUCK RIVER	EC91QM	9.856	28N	14W	11	Temperature	Water
					Quileute Tribe data (submitted by Ron Figler-Barnes on 2/27/96) show 3 excursions beyond the criterion out of 3 samples at RM 13 between 1992 and 1995.				Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.			
	20	7725	5	Y	SOLEDUCK RIVER	EC91QM	21.809	29N	13W	28	Temperature	Water
					Quileute Tribe data (submitted by Ron Figler-Barnes on 2/27/96) show 2 excursions beyond the criterion out of 3 samples at RM 19 between 1992 and 1995.				Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.			
	20	7726	5	N	SOLEDUCK RIVER	EC91QM	27.025	29N	13W	16	Temperature	Water
					Quileute Tribe data (submitted by Ron Figler-Barnes on 2/27/96) show 3 excursions beyond the criterion out of 3 samples at RM 22.1 between 1992 and 1995.				Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.			
					Hallock (2001) Dept. of Ecology Ambient Monitoring Station 20A090 (Soleduck R nr Forks) shows 0 excursions beyond the criterion out of 12 samples collected between 1993 - 2001							

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks
20	7727	5	Y	SOLEDUCK RIVER Quileute Tribe data (submitted by Ron Figler-Barnes on 2/27/96) show 2 excursions beyond the criterion out of 2 samples at RM 23.75 between 1992 and 1995.	EC91QM	30.766	29N	13W	10	Temperature	Water	TRS was 29N-13W-09 on 1998 list. -kk Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	7728	5	Y	SOLEDUCK RIVER Quileute Tribe data (submitted by Ron Figler-Barnes on 2/27/96) show 3 excursions beyond the criterion out of 3 samples at RM 44.9 between 1992 and 1995.	EC91QM	63.848	30N	11W	27	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	6752	5	N	SOUTH CREEK Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station South 0.0 shows 1 sample beyond the criterion collected on the following day: 10/8/2002. National Park Service data from the STORET database station OLYM_NPS_SOC (SOUTH CREEK UPSTREAM FROM LAKE OZETTE) shows 7 excursions beyond the criterion out of 14 samples collected during 1993 and 1994. Meyer and Brinkman, 2001. show 7 excursions beyond the criterion in 1993 and 1994.	VD52HL	0	29N	15W	10	Dissolved oxygen	Water	Changed from Category 2 to Category 5 on 01/24/05 due to consolidation with Listing ID 42929 (cat 2). -kk
20	6891	5	Y	SPLIT CREEK Hoh Tribal data (submitted by Jim Hatten on 9/16/93) show a 7-day mean of daily maximum temperature of 22.2 deg. C during 1992. Hatten, 1992, shows 47 excursions beyond the criterion in 1991.	FA00MP	3.759	27N	10W	34	Temperature	Water	Note: Location depicted on map and described by WASWIS ID and Lower Route Address is the closest mappable unit. SPLIT CREEK is actually a tributary from the southern edge of section 34, to the east of FISHER CREEK. -kk
20	6889	5	Y	WILLOUGHBY CREEK Hatten, 1992. , shows 16 excursions beyond the criterion in 1991. ; Hoh Tribe data (submitted by Jim Hatten on 9/16/93) show a 7-day mean of daily maximum temperature of 18.1 deg. C during 1992.	DQ24XR	0	27N	12W	25	Temperature	Water	
20	6896	5	Y	WINFIELD CREEK Hoh Tribal data (submitted by Jim Hatten on 9/16/93) show a 7-day mean of daily maximum temperature of 18.6 deg. C during 1992.	GV87TG	0.142	27N	12W	34	Temperature	Water	
21	6902	5	N	KALALOCH CREEK Hoh Tribe data (submitted by Jim Hatten on 9/16/93) show a 7-day mean of daily maximum temperature of 16.6 deg. C during 1992. Hoh Tribe data (submitted by Jim Hatten on 9/16/93) show 10 excursions beyond the criterion between 7/1/92 and 8/31/92.	OE71LO	1.285	24N	13W	03	Temperature	Water	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
21	35040	5	N	MATHENY CREEK	PL99HP	10.163	24N	105W	13	Temperature		Water
Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) show a 7-day mean of maximum daily temperature of 16.39 degrees C on the week ending 8-16-2002, with a maximum daily temperature of 17.23 degrees C from continuous measurements collected in 2002 at RM 6.303 (station ID Matheny Creek).											Ecology staff reviewed this listing in 2003 for natural conditions, but could not rule out the possibility that human activities contributed to the excursion(s).	
21	35056	5	N	SAMS RIVER	EC82WV	2.603	24N	10W	05	Temperature		Water
Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) show a 7-day mean of maximum daily temperature of 17.1 degrees C on the week ending 8-15-2001, with a maximum daily temperature of 17.5 degrees C from continuous measurements collected in 2001 at RM 2.66 (station ID RM 2.3). Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) show a 7-day mean of maximum daily temperature of 16.7 degrees C on the week ending 8-27-1999, with a maximum daily temperature of 17.1 degrees C from continuous measurements collected in 1999 at RM 2.3 (station ID RM 2.3).											Ecology staff reviewed this listing in 2003 for natural conditions, but could not rule out the possibility that human activities contributed to the excursion(s).	
21	35060	5	N	SAMS RIVER	EC82WV	4.297	25N	10W	35	Temperature		Water
Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) show a 7-day mean of maximum daily temperature of 17.82 degrees C on the week ending 8-16-2002, with a maximum daily temperature of 18.48 degrees C from continuous measurements collected in 2002 at RM 2.66 (station ID Sams River I).											Ecology staff reviewed this listing in 2003 for natural conditions, but could not rule out the possibility that human activities contributed to the excursion(s).	
21	35061	5	N	SAMS RIVER	EC82WV	14.303	24N	09W	05	Temperature		Water
Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) show a 7-day mean of maximum daily temperature of 16.91 degrees C on the week ending 8-29-2002, with a maximum daily temperature of 18.51 degrees C from continuous measurements collected in 2002 at RM 8.977 (station ID Sams River II).											Ecology staff reviewed this listing in 2003 for natural conditions, but could not rule out the possibility that human activities contributed to the excursion(s).	
Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) show a 7-day mean of maximum daily temperature of 12.5 degrees C on the week ending 8-25-1999, with a maximum daily temperature of 12.8 degrees C from continuous measurements collected in 1999 at RM 9.2 (station ID RM 9.2).												
Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) show a 7-day mean of maximum daily temperature of 14.7 degrees C on the week ending 8-17-2001, with a maximum daily temperature of 15.1 degrees C from continuous measurements collected in 2001 at RM 8.977 (station ID RM 8.1).												
22	7735	5	Y	BLACK CREEK	SC15QZ	15.466	18N	07W	17	Temperature		Water
Rashin and Graber, 1992. 7 excursions out of 12 samples (58%) collected in 7/90.											Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium	Remarks	
				Basis								
22	12861	5	N	GRAYS HARBOR COUNTY DRAINAGE DITCH NO. 1 (GHCDD-1) Davis et al. 1997 show 2 excursions beyond the National Toxic Rule criterion at station GHCDD-1 out of 2 samples collected in 1996. Davis 1998. show 1 excursion beyond the National Toxics Rule criterion out of 1 samples collected at station GHCDD-1 in 1996. Results from Chemical Analysis of Surface Water, Tissue, and Sediment Samples Collected in 1996. Ecology report, 1997, Assessemnt of Cranberry Bog Drainage pesticide Contamination -2 samples exceeded the state criterion. Davis, et al. 1998. show 5 excursions beyond the National Toxics Rule criterion out of 5 samples collected at station GRAYCASR (DEPTH 1.5 FT) in 1995. Davis, 1997. 2 samples exceeded the state standards from samples collected in 1994 and 1995.	AB55IV	0.017	15N	11W	06	4,4'-DDD	Water	Lower Route Address was 0.00 on 1998 list. -kk EPA listed this waterbody based on State chronic standard 0.001 ug/l in 1998.
22	40570	5	Y	GRAYS HARBOR COUNTY DRAINAGE DITCH NO. 1 (GHCDD-1) Coots (2003) show 1 excursion beyond the chronic criterion collected on 2 July 2002. Results from Chemical Analysis of Surface Water, Tissue, and Sediment Samples Collected in 1996. Ecology report, 1997, Assessemnt of Cranberry Bog Drainage pesticide Contamination -2 samples exceeded the state criterion.	AB55IV	1.922	15N	11W	07	4,4'-DDD	Water	EPA listed this waterbody based on State chronic standard 0.001 ug/l in 1998
22	12851	5	N	GRAYS HARBOR COUNTY DRAINAGE DITCH NO. 1 (GHCDD-1) Davis, et al. 1998. show 5 excursions beyond the National Toxics Rule criterion out of 5 samples collected at station GRAYCASR (DEPTH 1.5 FT) in 1995.	AB55IV	0.017	15N	11W	06	4,4'-DDE	Water	Name changed from GRAYLAND CREEK to GRAYS HARBOR COUNTY DRAINAGE DITCH NO. 1 (GHCDD-1) 3/2/05. -kk WRIA changed from 26 to 22 on 6/3/05. -kk
22	8735	5	Y	GRAYS HARBOR COUNTY DRAINAGE DITCH NO. 1 (GHCDD-1) Davis, 1997 - All but one sample exceeded the EPA recommended criterion from samples collected in 1994 and 1995.	AB55IV	0.017	15N	11W	06	Azinphos-Methyl	Water	Recent sampling shows that this water continues to be impaired for azinphos-Methyl (Boyd, ECY/SWRO, 2003). EPA listed this waterbody in 1998 based on EPA recommended criterion 0.01 ug/l, that is not adopted as a state standard.
22	14171	5	N	GRAYS HARBOR COUNTY DRAINAGE DITCH NO. 1 (GHCDD-1) Davis, et al. 1998. show no excursions beyond the chronic criterion out of 5 samples collected at station GRAYCASR (DEPTH 1.5 FT) in 1995. Davis et al. 1997 show no excursions beyond the chronic criterion at station GHCDD-1 out of 8 samples collected in 1996. Anderson and Davis, 2000. show 2 excursions beyond the chronic criterion at station GHCDD-1 out of 5 samples collected in 1998. Anderson and Davis, 2000. show 4 excursions beyond the chronic criterion at station GHCDD-1 out of 5 samples collected in 1998.	AB55IV	0.017	15N	11W	06	Chlorpyrifos	Water	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks
22	8736	5	Y	GRAYS HARBOR COUNTY DRAINAGE DITCH NO. 1 (GHCDD-1) Davis, 1997. show 25 out of 26 samples exceeded the EPA guidelines from samples collected in 1994 and 1995.	AB55IV	0.017	15N	11W	06	Diazinon	Water	Recent sampling shows that this water continues to be impaired for diazinon (Boyd, ECY/SWRO, 2003). EPA listed this waterbody in 1998 based on EPA guidelines maximum acute - 0.08 ug/l, continuous chronic - 0.04 ug/l, that is not adopted as a state standard.
22	12531	5	N	GRAYS HARBOR COUNTY DRAINAGE DITCH NO. 1 (GHCDD-1) Anderson and Davis, 2000. show 100% in-situ and laboratory mortality of Daphnia pulex at station GHCDD-1 in 1998.	AB55IV	0.017	15N	11W	06	Water Column Bioassay	Water	
23	41432	5	N	ALLEN CREEK Erickson, D. and Matthews, W., (2002), station BECM2.6T shows 1 sample exceeded the criterion in year 2003 and 2 samples exceeded the criterion in year 2002.	XO13OJ	0	16N	02W	06	Dissolved oxygen	Water	
23	41969	5	N	BEAVER CREEK Erickson, D. and Matthews, W., (2002), station BCGAGEDN shows a total of 15 samples in years 1995, 1996, 1997, 1998, 1999, and 2000 exceeded the chronic criterion and a total of 7 samples in year s 1995, 1996, 1997, and 1998 exceeded the acute criterion.	HA04TR	2.862	16N	02W	06	Ammonia-N	Water	
23	41970	5	N	BEAVER CREEK Erickson, D. and Matthews, W., (2002), station BCGAGEUP shows a total of 9 samples in years 1996, 1997, 1998, and 1999 exceeded the chronic criterion and a total of 2 samples in year 1998 exceeded the acute criterion.	HA04TR	5.686	16N	02W	08	Ammonia-N	Water	
23	41430	5	N	BEAVER CREEK Erickson, D. and Matthews, W., (2002), station BCGAGEDN shows 2 samples exceeded the criterion in year 2003 and 2 samples exceeded the criterion in year 2002.	HA04TR	2.862	16N	02W	06	Dissolved oxygen	Water	
23	41431	5	N	BEAVER CREEK Erickson, D. and Matthews, W., (2002), station BCGAGEUP shows 2 samples exceeded the criterion in year 2003 and 2 samples exceeded the criterion in year 2002.	HA04TR	5.686	16N	02W	08	Dissolved oxygen	Water	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium	
23	9490	5	N	BEAVER CREEK Erickson, D. and Matthews, W., (2002), station BCGAGEUP shows that 9 of 28 samples exceed the criterion. Erickson, D. and Matthews, W., (2002), station BCGAGEUP shows that 5 of 9 samples exceed the criterion. Sargeant et al. (2002) station BECM4.2 (BEAVER CK AT CASE RD) shows 1 excursions beyond the criterion out of 2 samples collected between 11/97 - 09/00. Sargeant et al. (2002) station BECM4.2 (BEAVER CK AT CASE RD) shows 1 excursions beyond the criterion out of 1 samples collected between 11/97 - 09/00.	HA04TR	5.686	16N	02W	08	pH	Changed from Category 2 to Category 5 on 01/14/05 due to consolidation with Listing IDs 41278 and 41279. -kk	Water
23	41277	5	N	BEAVER CREEK Erickson, D. and Matthews, W., (2002), station BCGAGEDN shows that 12 of 28 samples exceed the criterion.	HA04TR	2.862	16N	02W	06	pH		Water
23	9971	5	N	BERWICK CREEK Sargeant et al. (2002) station BERW1.7 (BERWICK CK AT BOROVEC RD) shows the geometric mean of 238 exceeds the criterion and that 67 % of the samples exceeds the percentile criterion from 3 samples collected during 1998.; Sargeant et al. (2002) station BERW1.7 (BERWICK CK AT BOROVEC RD) shows the geometric mean of 361 exceeds the criterion and that 53 % of the samples exceeds the percentile criterion from 15 samples collected during 1999.;	KB60UI	2.158	13N	02W	10	Fecal Coliform		Water
23	6291	5	Y	BLACK LAKE Phase I State Clean Lakes Restoration Project grant awarded in1994 was declined by Thurston County which had applied for the grant. Problems Encountered: Recreational uses have been severely curtailed due to severe blue-green algae blooms. Complaints have been made about skin irritation after swimming from contact with algae. Area residents and resort operators report that frequency and longevity of algae blooms have been increasing in recently years.	GW14BM	45.313	18N	02W	32	Total Phosphorus		Water
23	7748	5	N	CARLISLE LAKE Completed Phase I State Clean Lakes Restoration Project in 1985 - Problems Encountered: Blue-green algae, tributary nutrient inputs, aquatic macrophytes, high turbidity, fecal coliform bacteria.	BW57UE		13N	01E	30	Fecal Coliform	Completed Phase II State Clean Lakes Restoration Project 1991: Moore, 1990. Control measures implemented based the Phase I study - sediment removal/dredging, watershed nutrient management (dairy waste BMPs, stream bank fencing). Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
n on	23	6328	5	N	CARLISLE LAKE	BW57UE	13N	01E	30	Total Phosphorus	Water
	Completed Phase I State Clean Lakes Restoration Project in 1985 - Problems Encountered: Blue-green algae, tributary nutrient inputs, aquatic macrophytes, high turbidity, fecal coliform bacteria.										
	Completed Phase II State Clean Lakes Restoration Project										
	1991: Moore, 1990. Control measures implemented based on the Phase I study - sediment removal/dredging, watershed nutrient management (dairy waste BMPs, stream bank fencing).										
23	36354	5	N	CHEHALIS RIVER	DS29ZH	108.61 4	14N	03W	12	Dioxin	Tissue
Era-Miller et al. 2002, show an excursion beyond the National Toxic Rule criterion in a 5 fish composite of Mountain whitefish fillets sampled in 1998.											
23	8741	5	Y	CHEHALIS RIVER	DS29ZH	110.29 3	14N	02W	07	Total PCBs	Tissue
Davis, et al 1995. edible mountain white fish tissue exceed the criterion.											
23	15915	5	N	CHEHALIS RIVER	DS29ZH	128.78 7	13N	03W	02	Turbidity	Water
Hallock, 2002. shows 4 excursions beyond the criterion out of 12 samples collected between 1992 and 2001 derived by the difference between the upstream station 23A160 (Chehalis R @ Dryad) and the downstream station 23A130 (Chehalis R @ Claquato).											
23	12536	5	N	CHEHALIS RIVER, S.F.	AR82EA	9.238	12N	04W	01	pH	Water
Schlorff, 1999. show 6 excursions beyond the criterion out of 11 measurements made at the Boistfort Road Bridge during 1998-1999.										Low pH	
Schlorff, 1999. show 2 excursions beyond the criterion out of the difference of 6 measurements made at the Boisfort Road Bridge and the Wildwood Road Bridge during 1998-1999.											
23	12537	5	N	CHEHALIS RIVER, S.F.	AR82EA	15.963	12N	04W	24	pH	Water
Schlorff, 1999. show 4 excursions beyond the criterion out of 10 measurements made at the Wildwood Road Bridge during 1998-1999.										Low pH	
23	36355	5	N	DILLENBAUGH CREEK	EV39SR	0.758	14N	02W	38	Dioxin	Tissue
Era-Miller et al. 2002, show an excursion beyond the National Toxic Rule criterion in a 5 fish composite of Cutthroat Trout fillets sampled in 1998.											
23	12534	5	N	LAKE CREEK	VY01TK	0	13N	03W	30	pH	Water
Schlorff, 1999. show 8 excursions beyond the criterion out of 12 measurements made at the Curtis Hill Road Bridge during 1998-1999.										Low pH	
23	12535	5	N	LOST VALLEY CREEK	XQ54GH	0	12N	04W	02	pH	Water
Schlorff, 1999. show 8 excursions beyond the criterion out of 11 measurements made at the Lost Valley Road Bridge during 1998-1999.										Low pH	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium	
23	35386	5	N	MILL CREEK	UR68OS	3.518	14N	03W	34	Temperature		Water
Sargeant (2001) unpublished data show a 7-day mean of maximum daily temperature of 19.62 degrees C with week ending on 22 July 1995, with a maximum daily temperature of 20.94 degrees C from continuous measurements collected on 19 July 1995.												
23	35940	5	N	MILL CREEK	UR68OS	1.417	13N	03W	03	Temperature		Water
Sargeant (2001) unpublished data show a 7-day mean of maximum daily temperature of 19.09 degrees C with week ending on 19 July 1995, with a maximum daily temperature of 21.56 degrees C from continuous measurements collected on 19 July 1995.												
23	12532	5	N	STEARNS CREEK	EV19TA	0.632	13N	03W	11	pH		Water
Schlorff, 1999. show 9 excursions beyond the criterion out of 11 measurements made at the Twin Oaks Road Bridge during 1998-1999.											Low pH	
Schlorff, 1999. show 5 excursions beyond the criterion out of the difference of 5 measurements made at the Twin Oaks Road Bridge and the Pleasant Valley Road Bridge during 1998-1999.												
23	12533	5	N	STEARNS CREEK	EV19TA	4.406	13N	03W	24	pH		Water
Schlorff, 1999. show 8 excursions beyond the criterion out of 12 measurements made at the Pleasant Valley Road Bridge during 1998-1999.											Low pH	
23	35393	5	N	STILLMAN CREEK	MQ11YB	0	12N	04W	02	Temperature		Water
Sargeant (2001) show excursions beyond the criterion from continuous measurements collected in 1998, 1999 and 2000.												
23	35394	5	N	STILLMAN CREEK	MQ11YB	3.5	12N	04W	14	Temperature		Water
Sargeant (2001) unpublished data show a 7-day mean of maximum daily temperature of 20.53 degrees C with week ending on 4 September 1998, with a maximum daily temperature of 20.95 degrees C from continuous measurements collected on 1 September 1998. Sargeant (2001) unpublished data show a 7-day mean of maximum daily temperature of 20.52 degrees C with week ending on 27 August 1999, with a maximum daily temperature of 21.31 degrees C from continuous measurements collected on 10 August 1999. Sargeant (2001) unpublished data show a 7-day mean of maximum daily temperature of 20.59 degrees C with week ending on 5 August 2000, with a maximum daily temperature of 20.82 degrees C from continuous measurements collected on 4 August 2000.												
23	35395	5	N	STILLMAN CREEK	MQ11YB	5.639	12N	04W	23	Temperature		Water
Sargeant (2001) show excursions beyond the criterion from continuous measurements collected in 1998, 1999 and 2000.												
23	35396	5	N	UNNAMED CREEK	IP53AA	0	16N	01W	27	Temperature		Water
Sargeant (2001) unpublished data show a 7-day mean of maximum daily temperature of 19.43 degrees C with week ending on 23 August 2000, with a maximum daily temperature of 19.43 degrees C from continuous measurements collected on 23 August 2000.												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
24	6685	5	Y	COLUMBIA RIVER Hallock and Ehinger, 1993., excursions beyond criteria at Ilwaco Marina, from 9/92 to 12/92.;	NN57SG	46124D0A3	46.305	124.035	Fecal Coliform	Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.	Water
24	8746	5	N	COLUMBIA RIVER Johnson and Davis, 1996. excursion beyond the National Toxics Rule criterion (PCB-1254) calculated for tissue in mussel samples collected in 1995 from Fort Canby State Park Boat Launch.	NN57SG	46124C0I5	46.285	124.055	Total PCBs		Tissue
24	6912	5	Y	ELKHORN CREEK Shoalwater Indian Tribal data (submitted by Michael Pollock on 10/30/97) show a 7-day mean of daily maximum temperature of 19.8 deg. C during 1997.	ZR45OU	1.969	15N	09W 24	Temperature		Water
24	9983	5	N	FALLS CREEK Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station FALL-1 (FALLS CK ABV RETREAT CENTER) shows the geometric mean of 47 does not exceed the criterion and that 25 % of the samples exceeds the percentile criterion from 8 samples collected during 1998.	NA93NI	0	12N	07W 11	Fecal Coliform		Water
24	9984	5	N	FERN CREEK Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station FERN-1 (FERN CREEK AT ELK PRAIRIE RD) shows the geometric mean of 199 exceeds the criterion and that 47 % of the samples exceeds the percentile criterion from 15 samples collected during 1998.	CO94AN	0	12N	07W 03	Fecal Coliform		Water
24	6867	5	N	FERN CREEK Department of Ecology unpublished data from the Willapa TMDL Study shows a 7-day mean of daily maximum values of 18.4 for the week ending 13 August 2001 at station 14 (Fern Creek at Elk Prairie). Department of Ecology unpublished data from the Willapa TMDL Study shows 13 excursions beyond the criterion during 2001	CO94AN	0.732	12N	07W 02	Temperature		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
24	6843	5	Y	FORK CREEK Department of Ecology unpublished data from the Willapa TMDL Study shows a 7-day mean of daily maximum values of 18.1 for the week ending 14 August 2001 at station 9 (Fork Creek at State Hatchery). Department of Ecology unpublished data from the Willapa TMDL Study shows 4 excursions beyond the criterion during 2001; Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station FORK-1 (Fork Creek) shows 1 excursions beyond the criterion measured on these dates: 98/08/04, Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WFISH-1 (Willapa Fish Hatchery) shows 1 excursions beyond the criterion measured on these dates: 98/08/04, Department of Ecology unpublished data from the Willapa TMDL Study shows a 7-day mean of daily maximum values of 17.6 for the week ending 14 August 2001 at station 9a (Fork Creek abv State Hatchery). Department of Ecology unpublished data from the Willapa TMDL Study shows 4 excursions beyond the criterion during 2001 Washington Dept. of Fish and Wildlife data (submitted by Hal Michael on 14 September 1995) show numerous excursions beyond the criterion at the inflow to the Willapa Hatchery.	MO06ZS	0	12N	07W	06	Temperature	Water
24	6869	5	N	HALF MOON CREEK Department of Ecology unpublished data from the Willapa TMDL Study shows a 7-day mean of daily maximum values of 18.6 for the week ending 14 August 2001 at station 12 (Half Moon Creek near mouth). Department of Ecology unpublished data from the Willapa TMDL Study shows 19 excursions beyond the criterion during 2001	HR47WD	0	12N	07W	04	Temperature	Water
24	6906	5	Y	JOE CREEK Weyerhaeuser Company data (submitted by Michael Pollock on 10/30/97) show 23 excursions beyond the criterion out of 125 samples (18%) on Joe Creek off the A2700 Toad at the bridge 0..2 miles west of Highway 101 during1996.	XG35GL	2.003	16N	08W	31	Temperature	Water
24	6907	5	Y	LITTLE NORTH RIVER Weyerhaeuser Company data (submitted by Michael Pollock on 10/30/97) show 33 excursions beyond the criterion out of 125 samples (26%) south of New Lund Road, 0.1 miles west of Highway 101 during1996. Shoalwater Indian Tribal data (submitted by Michael Pollock on 10/30/97) show a 7-day mean of daily maximum temperature of 18.5 deg. C during 1997.	WU17DR	43.939	16N	08W	08	Temperature	Water
24	6909	5	Y	LITTLE NORTH RIVER Weyerhaeuser Company data (submitted by Michael Pollock on 10/30/97) show 39 excursions beyond the criterion out of 125 samples (31%) at spur road off C-Line, 200 feet above bridge during1996.	WU17DR	15.667	16N	09W	32	Temperature	Water

24	35307	5	N	MARTIN CREEK	FW86AP	0.566	15N	06W	28	Temperature	Water
<p>Port Blakely Tree Farms unpublished data from station M1 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 17.78 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station M1 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 15.85 degrees C from continuous measurements collected in 2001. Port Blakely Tree Farms unpublished data from station M1 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 17.5 degrees C from continuous measurements collected in 2000. Port Blakely Tree Farms unpublished data from station M1 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 16.7 degrees C from continuous measurements collected in 1999. Port Blakely Tree Farms unpublished data from station M1 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 20.5 degrees C from continuous measurements collected in 1998. Port Blakely Tree Farms unpublished data from station M1 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 19.6 degrees C from continuous measurements collected in 1996.</p> <p>Port Blakely Tree Farms unpublished data from station M1 (submitted by Blake Murden on 10 Decemeber 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.</p> <p>Port Blakely Tree Farms unpublished data from station M2 (submitted by Blake Murden on 10 Decemeber 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.</p> <p>Port Blakely Tree Farms unpublished data from station M4 (submitted by Blake Murden on 10 Decemeber 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.</p> <p>Port Blakely Tree Farms unpublished data from station M4 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 17.6 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station M4 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 16.49 degrees C from continuous measurements collected in 2001. Port Blakely Tree Farms unpublished data from station M4 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 17.4 degrees C from continuous measurements collected in 2000. Port Blakely Tree Farms unpublished data from station M4 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 16.4 degrees C from continuous measurements collected in 1999. Port Blakely Tree Farms unpublished data from station M4 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 19.2 degrees C from continuous measurements collected in 1998. Port Blakely Tree Farms unpublished data from station M4 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 18.3 degrees C from continuous measurements collected in 1997. Port Blakely Tree Farms unpublished data from station M4 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 19.1 degrees C from continuous measurements collected in 1996.</p> <p>Port Blakely Tree Farms unpublished data from station M2* (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 17.25 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station M2* (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 16.3 degrees C from continuous measurements collected in 2001.</p>											
24	35312	5	N	MARTIN CREEK	FW86AP	5.226	15N	06W	35	Temperature	Water
<p>Port Blakely Tree Farms unpublished data from station M8* (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 19.68 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station M8* (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 13.72 degrees C from continuous measurements collected in 2001.</p> <p>Port Blakely Tree Farms unpublished data from station M8 (submitted by Blake Murden on 10 Decemeber 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.</p>											

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium	Remarks
				Basis							
24	16762	5	N	NASELLE RIVER	JX84NY	26.96	10N	09W	01	Fecal Coliform	Water
Hallock (2004), Dept. of Ecology ambient station 24F070 shows 2 of 4 samples (50%) in year 2001 exceeded the percentile criterion.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 24F070 (Naselle R. near Naselle) shows a geometric mean of 32 does not exceed the criterion and that 22% of the samples exceeds the percentile criterion from 9 samples collected during 2001.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 24F070 (Naselle R. near Naselle) shows a geometric mean of 18 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 13 samples collected during 2000.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 24F070 (Naselle R. near Naselle) shows a geometric mean of 16 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 14 samples collected during 1999.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 24F070 (Naselle R. near Naselle) shows a geometric mean of 24 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 1998.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 24F070 (Naselle R. near Naselle) shows a geometric mean of 19 does not exceed the criterion and that 8% of the samples does not exceed the percentile criterion from 12 samples collected during 1997.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 24F070 (Naselle R. near Naselle) shows a geometric mean of 17 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 6 samples collected during 1996.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 24F070 (Naselle R. near Naselle) shows a geometric mean of 31 does not exceed the criterion and that 20% of the samples exceeds the percentile criterion from 10 samples collected during 1995.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 24F070 (Naselle R. near Naselle) shows a geometric mean of 186 exceeds the criterion and that 50% of the samples exceeds the percentile criterion from 4 samples collected during 1994.											
24	6585	5	N	NASELLE RIVER	JX84NY	26.96	10N	09W	01	Temperature	Water
Dept. of Ecology unpublished data from core ambient monitoring station 24F070 (Naselle R. near Naselle) shows a 7-day mean of daily maximum values of 18.7 for mid-week 11 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 24F070 (NASELLE RIVER NEAR NASELLE) shows 0 excursions beyond the criterion out of 40 samples collected between 1993 - 2001											
24	6686	5	Y	NORTH RIVER	WU17DR	2.932	15N	10W	22	Fecal Coliform	Water
Seyferlich and Joy, 1993. , multiple excursions beyond the criterion at DOH station 12 in the North River Commercial Shellfish Area between 10/88 and 4/90. This station is no longer sampled by Department of Health to determine classification status.											
Seyferlich and Joy, 1993. , multiple excursions beyond the criterion at DOH station 13 in the North River Commercial Shellfish Area between 10/88 and 4/90. This station is no longer sampled by Department of Health to determine classification status.											
24	6690	5	Y	NORTH RIVER	WU17DR	0	15N	10W	99	Fecal Coliform	Water
Seyferlich and Joy, 1993. , multiple excursions beyond the criterion at DOH station 8 in the North River Commercial Shellfish Area between 10/88 and 4/90. This station is no longer sampled by Department of Health to determine classification status in											

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks
24	6691	5	Y	NORTH RIVER Seyferlich and Joy, 1993., multiple excursions beyond the criterion at DOH station 9 in the North River Commercial Shellfish Area between 10/88 and 4/90. This station is no longer sampled by Department of Health to determine classification status in the c	WU17DR	4.432	15N	10W	23	Fecal Coliform	Water	Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.
24	6913	5	Y	NORTH RIVER Shoalwater Indian Tribal data (submitted by Michael Pollock on 10/30/97) show a 7-day mean of daily maximum temperature of 20.6 deg. C during 1997.	WU17DR	46.255	16N	08W	09	Temperature	Water	
24	6905	5	Y	NORTH RIVER, E.F. Weyerhaeuser Company data (submitted by Michael Pollock on 10/30/97) show 10 excursions beyond the criterion out of 125 samples (13%) on the East Fork North River 100 feet above A-Line Road during1996.	QG10AL	0.092	16N	09W	29	Temperature	Water	'Continuous temperature measurements were taken, but were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
24	8751	5	Y	PACIFIC COUNTY DRAINAGE DITCH NO. 1 (PCDD-1) Davis 1998. show 3 excursions beyond the National Toxics Rule criterion out of 3 samples collected at station PCDD-1 in 1996. Davis, 1997. 4 samples exceeded the state criterion from samples collected in 1994 and 1995.	YF44AK	3.149	15N	11W	32	4,4'-DDD	Water	Davis 1998 basis moved from Listing ID 12861 to this listing on 01/21/05. -kk EPA listed this waterbody in 1998 based on State chronic standard 0.001 ug/l.
24	8747	5	Y	PACIFIC COUNTY DRAINAGE DITCH NO. 1 (PCDD-1) Davis, 1997. 21 out of 26 samples exceeded the EPA recommended criterion from samples collected in 1994 and 1995..	YF44AK	3.149	15N	11W	32	Azinphos-Methyl	Water	Recent sampling shows that this water continues to be impaired for azinphos-Methyl (Boyd, ECY/SWRO, 2003). EPA listed this waterbody in 1998 based on EPA recommended criterion 0.01 ug/l, that is not adopted as a state standard.
24	8749	5	Y	PACIFIC COUNTY DRAINAGE DITCH NO. 1 (PCDD-1) Davis 1997. shows 17 out of 26 samples exceeded the state standard standards from samples collected in 1994 and 1995. Davis 1998. show no excursions beyond the chronic criterion out of 3 samples collected at station PCDD-1 in 1996.	YF44AK	3.149	15N	11W	32	Chlorpyrifos	Water	EPA listed this waterbody in 1998 based on State acute standard - 0.083 ug/l, State chronic standard - 0.041 ug/l.
24	40571	5	Y	PACIFIC COUNTY DRAINAGE DITCH NO. 1 (PCDD-1) Coots (2003) show excursions beyond the chronic criterion collected on 18 July 2002 and 1 Aug 2002.	YF44AK	4.931	15N	11W	29	Chlorpyrifos	Water	TRS was 15N-11W-32 on 1998 list. -kk

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks
24	8748	5	Y	PACIFIC COUNTY DRAINAGE DITCH NO. 1 (PCDD-1) Davis, 1997. show 17 out of 25 samples exceeded the EPA guidelines from samples collected in 1994 and 1995.	YF44AK	3.149	15N	11W	32	Diazinon	Water	Recent sampling shows that this water continues to be impaired for diasinon (Boyd, ECY/SWRO, 2003). EPA listed this waterbody in 1998 based on EPA guidelines maximum acute - 0.08 ug/l, continuous chronic - 0.04 ug/l, that is not adopted as a state standard.
24	35926	5	N	RAIMIE CREEK Port Blakely Tree Farms unpublished data from station LR1 (submitted by Blake Murden on 10 Decemeber 2002) shows 3 excursions beyond the criterion from 3 measurements collected in 2001-2002.	PY40HQ	2.061	15N	06W	16	pH	Water	Low pH
24	35306	5	N	RAIMIE CREEK Port Blakely Tree Farms unpublished data from station LR1 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 18.26 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station LR1 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 17.13 degrees C from continuous measurements collected in 2001. Port Blakely Tree Farms unpublished data from station LR1 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 17.9 degrees C from continuous measurements collected in 2000. Port Blakely Tree Farms unpublished data from station LR1 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 16.9 degrees C from continuous measurements collected in 1999. Port Blakely Tree Farms unpublished data from station LR1 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 20.1 degrees C from continuous measurements collected in 1998. Port Blakely Tree Farms unpublished data from station LR1 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 19.3 degrees C from continuous measurements collected in 1996. Port Blakely Tree Farms unpublished data from station LR1 (submitted by Blake Murden on 10 Decemeber 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.	PY40HQ	2.061	15N	06W	16	Temperature	Water	
24	35880	5	N	RAIMIE CREEK, RIGHT FORK Port Blakely Tree Farms unpublished data from station UR2 (submitted by Blake Murden on 10 Decemeber 2002) shows 3 excursions beyond the criterion from 4 measurements collected in 2001-2002.	KM97FX	4.506	15N	06W	02	pH	Water	Low pH

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium	
				Basis					Remarks		
24	35314	5	N	REDFIELD CREEK	DC21FZ	1.53	15N	06W	22	Temperature	Water
<p>Port Blakely Tree Farms unpublished data from station R1 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 16.7 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station R1 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 15.96 degrees C from continuous measurements collected in 2001. Port Blakely Tree Farms unpublished data from station R1 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 16.8 degrees C from continuous measurements collected in 2000. Port Blakely Tree Farms unpublished data from station R1 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 15.9 degrees C from continuous measurements collected in 1999. Port Blakely Tree Farms unpublished data from station R1 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 18.6 degrees C from continuous measurements collected in 1998. Port Blakely Tree Farms unpublished data from station R1 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 17.8 degrees C from continuous measurements collected in 1997.</p> <p>Port Blakely Tree Farms unpublished data from station R1 (submitted by Blake Murden on 10 Decemeber 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.</p> <p>Port Blakely Tree Farms unpublished data from station R2 (submitted by Blake Murden on 10 Decemeber 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.</p> <p>Port Blakely Tree Farms unpublished data from station R2* (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 16.37 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station R2* (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 15.57 degrees C from continuous measurements collected in 2001.</p>											
24	35316	5	N	REDFIELD CREEK	DC21FZ	2.613	15N	06W	15	Temperature	Water
<p>Port Blakely Tree Farms unpublished data from station R4 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 17.55 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station R4 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 15.98 degrees C from continuous measurements collected in 2001. Port Blakely Tree Farms unpublished data from station R4 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 16.6 degrees C from continuous measurements collected in 2000. Port Blakely Tree Farms unpublished data from station R4 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 16 degrees C from continuous measurements collected in 1999. Port Blakely Tree Farms unpublished data from station R4 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 19.3 degrees C from continuous measurements collected in 1998. Port Blakely Tree Farms unpublished data from station R4 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 19.2 degrees C from continuous measurements collected in 1997.</p> <p>Port Blakely Tree Farms unpublished data from station R4 (submitted by Blake Murden on 10 Decemeber 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.</p>											
24	9989	5	N	RIVERDALE CREEK	IH25UI	0	14N	09W	24	Fecal Coliform	Water
<p>Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station RAYSW-3 (RIVERDALE CREEK AT LIONS CLUB PARK) shows the geometric mean of 2914 exceeds the criterion and that 92 % of the samples exceeds the percentile criterion from 12 samples collected during 1998.</p>											

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
24	6911	5	Y	SALMON CREEK, UPPER Shoalwater Indian Tribal data (submitted by Michael Pollock on 10/30/97) show a 7-day mean of daily maximum temperature of 19.7 deg. C during 1997.	UR98MB	0	16N	08W	09	Temperature	Water
24	3779	5	Y	SMITH CREEK Sullivan, et al. 1990 , 27 excursions beyond the criterion measured during 1988.	VP01ZH	35.381	15N	08W	23	Temperature	Water Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
24	35320	5	N	SULLIVAN CREEK Port Blakely Tree Farms unpublished data from station SC2 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 16.67 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station SC2 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 13.16 degrees C from continuous measurements collected in 2001. Port Blakely Tree Farms unpublished data from station SC2 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 16.8 degrees C from continuous measurements collected in 2000. Port Blakely Tree Farms unpublished data from station SC2 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 16.2 degrees C from continuous measurements collected in 1999. Port Blakely Tree Farms unpublished data from station SC2 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 18.6 degrees C from continuous measurements collected in 1998. Port Blakely Tree Farms unpublished data from station SC2 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 17.4 degrees C from continuous measurements collected in 1997. Port Blakely Tree Farms unpublished data from station SC2 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 17.2 degrees C from continuous measurements collected in 1996. Port Blakely Tree Farms unpublished data from station SC1 (submitted by Blake Murden on 10 Decemeber 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002. Port Blakely Tree Farms unpublished data from station SC2 (submitted by Blake Murden on 10 Decemeber 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002. Port Blakely Tree Farms unpublished data from station SC1 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 15.02 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station SC1 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 14.46 degrees C from continuous measurements collected in 2001. Port Blakely Tree Farms unpublished data from station SC1 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 14.4 degrees C from continuous measurements collected in 2000. Port Blakely Tree Farms unpublished data from station SC1 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 15.3 degrees C from continuous measurements collected in 1999. Port Blakely Tree Farms unpublished data from station SC1 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 16.4 degrees C from continuous measurements collected in 1997. Port Blakely Tree Farms unpublished data from station SC1 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 16.7 degrees C from continuous measurements collected in 1996.	HP04GB	0.198	15N	06W	10	Temperature	Water
24	9995	5	N	UNNAMED CREEK Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station SBSW-2 (Creek @ Coast Seafood) shows the geometric mean of 911 exceeds the criterion and that 82 % of the samples exceeds the percentile criterion from 11 samples collected during 1998.	AX11QJ	0	14N	09W	28	Fecal Coliform	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium	Remarks		
				Basis									
24	6908	5	N	UNNAMED CREEK	WU17DR	20.141	16N	09W	33	Temperature	Water		
				Weyerhaeuser Company data (submitted by Michael Pollock on 10/30/97) show 34 excursions beyond the criterion out of 70 samples (48%) at a tributary to the									
				North River at the end of C300 Road, approximately 0.2 miles up from the confluence during1996.									
24	6689	5	Y	WILLAPA BAY	390KRD	46123H8A4	46.705	123.845	Fecal Coliform	Water			
Seyferlich and Joy, 1993. , multiple excursions beyond the criterion at DOH station 5 in the Bruceport Commercial shellfish Area between 11/89 and 6/91. This station is no longer sampled by Department of Health to determine classification status in the													
Department of Health Annual Growing Area Review station BRUCEPORT-97 shows a geometric mean of 9.4 cfu/100mL and a 90th percentile value of 51 with the last sample collected on 12/03/2001.													
24	9511	5	N	WILLAPA RIVER	YN05JR	14N	09W	24	Dissolved oxygen	Water			
				Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRJS-1 (Willapa R at Johnson Sl) shows 1 excursions beyond the criterion measured on these dates: 98/09/02,									
				Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRJS-AL1 (WILLAPA R AT JOHNSON SL) shows 0 excursions beyond the criterion out of 1 samples collected between 04/98 - 12/98.									
Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRJS-AR1 (WILLAPA R AT JOHNSON SL) shows 0 excursions beyond the criterion out of 3 samples collected between 04/98 - 12/98.													
Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station WPA003 (Willapa Bay - Willapa R. John. Slough) shows 3 excursions beyond the criterions out of 85 samples collected between 1993-2000													
24	10352	5	Y	WILLAPA RIVER	YN05JR	10.268	14N	09W	24	Dissolved oxygen	Water		
				Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station WPA001 (Willapa Bay - Willapa R. Raymond) shows 12 excursions beyond the criterions out of 89 samples collected between 1993-2000									
				Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRRR-1 (Willapa R at Raymond (nr Port)) shows 6 excursions beyond the criterion measured on these dates: 98/05/05, 98/05/27, 98/07/31, 98/08/05, 98/09/02, 98/11/04									
Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRRR-AL1 (WILLAPA R AT RAYMOND (NR PORT)) shows 5 excursions beyond the criterion measured on these dates: 98/05/27, 98/06/17, 98/07/15, 98/10/06, 98/10/07,													
Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRRR-AR1 (WILLAPA R AT RAYMOND (NR PORT)) shows 1 excursions beyond the criterion measured on these dates: 98/10/06,													

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Medium	Remarks	
43026.	24	14882	5	N	WILLAPA RIVER	YN05JR	3.781	14N	09W	28	Dissolved oxygen	Water
	Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRSB-1 (Willapa R below S Bend) shows 4 excursions beyond the criterion measured on these dates: 98/09/02, 98/08/05, 98/07/31, 98/05/05										TMDL is in progress, data for current study show exceedances (Unpublished data from Ecology 2000, Willapa River Total Maximum Daily Load Study Data Summary Report).	
	Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRSB-1 (Willapa R below S Bend) shows 1 excursions beyond the criterion measured on these dates: 98/09/02,											
	Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRSB-1 (Willapa R below S Bend) shows 1 excursions beyond the criterion measured on these dates: 98/09/02,											
43026.	24	14951	5	N	WILLAPA RIVER	YN05JR	56.69	12N	07W	04	Dissolved oxygen	Water
	Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRLE-1 (Willapa R at Lebam) shows 0 excursions beyond the criterion out of 4 samples collected between 04/98 - 12/98.										TMDL is in progress, data for current study show exceedances (Unpublished data from Ecology 2000, Willapa River Total Maximum Daily Load Study Data Summary Report).	
											Listing was split because it errantly identified the location as both "near Ellis Slough" and "at Lebam". See Listing ID	
											01/06/05 -kk	
43026.	24	14952	5	N	WILLAPA RIVER	YN05JR	12.229	14N	08W	19	Dissolved oxygen	Water
	Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRHY-1 (Willapa R at Hwy 101 Bridge) shows 4 excursions beyond the criterion measured on these dates: 98/09/02, 98/08/05, 98/05/05, 98/11/04										TMDL is in progress, data for current study show exceedances (Unpublished data from Ecology 2000, Willapa River Total Maximum Daily Load Study Data Summary Report).	
	Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRHY-1 (Willapa R at Hwy 101 Bridge) shows 1 excursions beyond the criterion measured on these dates: 98/09/02,											
43026.	24	14961	5	N	WILLAPA RIVER	YN05JR	22.415	14N	08W	27	Dissolved oxygen	Water
	Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRWI-1 (Willapa R at Willapa Road) shows 2 excursions beyond the criterion collected on 98/09/02 and 98/08/05										TMDL is in progress, data for current study show exceedances (Unpublished data from Ecology 2000, Willapa River Total Maximum Daily Load Study Data Summary Report).	
	Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRWI-1 (Willapa R at Willapa Road) shows 0 excursions beyond the criterion out of 4 samples collected between 04/98 - 12/98.											
43026.	24	43026	5	N	WILLAPA RIVER	YN05JR	14.735	14N	08W	20	Dissolved oxygen	Water
	Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WREL-1 (Willapa R near Ellis Slough) shows 4 excursions beyond the criterion measured on these dates: 98/09/02, 98/05/05, 98/08/05, 98/11/04.										TMDL is in progress, data for current study show exceedances (Unpublished data from Ecology 2000, Willapa River Total Maximum Daily Load Study Data Summary Report).	
	Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WREL-1 (Willapa R near Ellis Slough) shows 1 excursions beyond the criterion measured on this date: 98/09/02.										Split from Listing ID 14951 on 01/06/05. Previous listing errantly consolidated listings near Ellis Slough with listings near Lebam. -kk	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
24	6688	5	Y	WILLAPA RIVER	YN05JR	2.576	14N	09W	21	Fecal Coliform	Water
Seyferlich and Joy, 1993. , multiple excursions beyond the criterion at DOH station 2 (Willapa RM 1.9) in the Bruceport Commercial Shellfish Area between 11/89 and 6/91. This station is no longer sampled by Department of Health to determine classificat											Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.
24	9998	5	Y	WILLAPA RIVER	YN05JR	10.268	14N	09W	24	Fecal Coliform	Water
Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRRAR1 (WILLAPA R AT RAYMOND (NR PORT)) shows the geometric mean of 29 does not exceed the criterion and that 17 % of the samples exceeds the percentile criterion from 30 samples collected during 1998.											
Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station WPA001 (Willapa Bay - Willapa R. Raymond) shows a geometric mean of 17 exceeds the marine criterion and that 0% of the samples does not exceed the percentile criterion from 6 samples collected during 1992. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station WPA001 (Willapa Bay - Willapa R. Raymond) shows a geometric mean of 15 exceeds the marine criterion and that 0% of the samples does not exceed the percentile criterion from 7 samples collected during 1993. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station WPA001 (Willapa Bay - Willapa R. Raymond) shows a geometric mean of 19 exceeds the marine criterion and that 0% of the samples does not exceed the percentile criterion from 9 samples collected during 1994. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station WPA001 (Willapa Bay - Willapa R. Raymond) shows a geometric mean of 33 exceeds the marine criterion and that 0% of the samples does not exceed the percentile criterion from 11 samples collected during 1995. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station WPA001 (Willapa Bay - Willapa R. Raymond) shows a geometric mean of 37 exceeds the marine criterion and that 11% of the samples does not exceed the percentile criterion from 9 samples collected during 1996. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station WPA001 (Willapa Bay - Willapa R. Raymond) shows a geometric mean of 40 exceed the marine criterion and that 0% of the samples does not exceed the percentile criterion from 10 samples collected during 1997. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station WPA001 (Willapa Bay - Willapa R. Raymond) shows a geometric mean of 22 exceeds the marine criterion and that 11% of the samples does not exceed the percentile criterion from 9 samples collected during 1998. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station WPA001 (Willapa Bay - Willapa R. Raymond) shows a geometric mean of 7 does not exceed the marine criterion and that 0% of the samples does not exceed the percentile criterion from 8 samples collected during 1999. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station WPA001 (Willapa Bay - Willapa R. Raymond) shows a geometric mean of 16 exceeds the marine criterion and that 0% of the samples does not exceed the percentile criterion from 9 samples collected during 2000.											
24	10000	5	N	WILLAPA RIVER	YN05JR	12.229	14N	08W	19	Fecal Coliform	Water
Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRHYAR1 (WILLAPA R AT HWY 101 BRIDGE) shows the geometric mean of 34 does not exceed the criterion and that 14 % of the samples exceeds the percentile criterion from 28 samples collected during 1998.											
24	10001	5	N	WILLAPA RIVER	YN05JR	22.415	14N	08W	27	Fecal Coliform	Water
Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRWI-1 (Willapa R at Willapa Road) shows the geometric mean of 69 does not exceed the criterion and that 17% of the samples exceeds the percentile criterion from 29 samples collected during 1998.											

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Remarks	Medium
				Basis							
24	10002	5	N	WILLAPA RIVER	YN05JR	28.147	13N	08W	52	Fecal Coliform	Water
Hallock (2004), Dept. of Ecology ambient station 24B090 shows 3 of 4 samples (75%) in year 2001 exceeded the percentile criterion and 2 of 12 samples (16.7%) in year 2002 exceeded the percentile criterion.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 24B090 (Willapa R. near Willapa) shows a geometric mean of 80 does not exceed the criterion and that 33% of the samples exceeds the percentile criterion from 9 samples collected during 2001.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 24B090 (Willapa R. near Willapa) shows a geometric mean of 24 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 2000.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 24B090 (Willapa R. near Willapa) shows a geometric mean of 102 exceeds the criterion and that 17% of the samples exceeds the percentile criterion from 12 samples collected during 1999.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 24B090 (Willapa R. near Willapa) shows a geometric mean of 77 does not exceed the criterion and that 8% of the samples does not exceed the percentile criterion from 12 samples collected during 1998.											
Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRC1-1 (Willapa R at Camp One Rd) shows the geometric mean of 77 does not exceed the criterion and that 17% of the samples exceeds the percentile criterion from 35 samples collected during 1998.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 24B090 (Willapa R. near Willapa) shows a geometric mean of 87 does not exceed the criterion and that 33% of the samples exceeds the percentile criterion from 12 samples collected during 1997.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 24B090 (Willapa R. near Willapa) shows a geometric mean of 97 does not exceed the criterion and that 33% of the samples exceeds the percentile criterion from 6 samples collected during 1996.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 24B090 (Willapa R. near Willapa) shows a geometric mean of 77 does not exceed the criterion and that 36% of the samples exceeds the percentile criterion from 11 samples collected during 1995.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 24B090 (Willapa R. near Willapa) shows a geometric mean of 371 exceeds the criterion and that 67% of the samples exceeds the percentile criterion from 3 samples collected during 1994.											
24	10003	5	N	WILLAPA RIVER	YN05JR	34.991	13N	08W	14	Fecal Coliform	Water
Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRMN-1 (Willapa R at SR 6 nr Menlo) shows the geometric mean of 101 exceeds the criterion and that 27 % of the samples exceeds the percentile criterion from 15 samples collected during 1998.											
24	10004	5	N	WILLAPA RIVER	YN05JR	41.711	13N	08W	48	Fecal Coliform	Water
Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WROX-1 (Willapa R at Oxbow Road) shows the geometric mean of 70 does not exceed the criterion and that 20 % of the samples exceeds the percentile criterion from 15 samples collected during 1998.											

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Remarks	Medium
				Basis							
24	10006	5	Y	WILLAPA RIVER	YN05JR	56.69	12N	07W	04	Fecal Coliform	Water
Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRLE-1 (Willapa R at Lebam) shows the geometric mean of 140 exceeds the criterion and that 38% of the samples exceeds the percentile criterion from 16 samples collected during 1998.											
24	10007	5	N	WILLAPA RIVER	YN05JR	59.129	12N	07W	03	Fecal Coliform	Water
Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRSW-1 (Willapa R at Swiss Picknik Rd) shows the geometric mean of 184 exceeds the criterion and that 67 % of the samples exceeds the percentile criterion from 15 samples collected during 1998.											
24	10013	5	N	WILLAPA RIVER	YN05JR	14N	09W	24	Fecal Coliform	Water	
Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRJS-AL1 (WILLAPA R AT JOHNSON SL) shows the geometric mean of 6 does not exceed the criterion and that 21 % of the samples exceeds the percentile criterion from 24 samples collected during 1998.											
Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRJS-AR1 (WILLAPA R AT JOHNSON SL) shows the geometric mean of 9 does not exceed the criterion and that 19 % of the samples exceeds the percentile criterion from 26 samples collected during 1998.											
Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station WPA003 (Willapa Bay - Willapa R. John. Slough) shows a geometric mean of 3 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 6 samples collected during 1994.Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station WPA003 (Willapa Bay - Willapa R. John. Slough) shows a geometric mean of 11 does not exceed the criterion and that 22% of the samples exceed the percentile criterion from 9 samples collected during 1995.Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station WPA003 (Willapa Bay - Willapa R. John. Slough) shows a geometric mean of 8 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 8 samples collected during 1996.Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station WPA003 (Willapa Bay - Willapa R. John. Slough) shows a geometric mean of 8 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 11 samples collected during 1997.Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station WPA003 (Willapa Bay - Willapa R. John. Slough) shows a geometric mean of 4 does not exceed the criterion and that 25% of the samples exceed the percentile criterion from 8 samples collected during 1998.Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station WPA003 (Willapa Bay - Willapa R. John. Slough) shows a geometric mean of 2 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 8 samples collected during 1999.Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station WPA003 (Willapa Bay - Willapa R. John. Slough) shows a geometric mean of 4 does not exceed the criterion and that 12% of the samples exceed the percentile criterion from 8 samples collected during 2000, with only 1 sample that exceeds the percentile criterion..											
24	6844	5	N	WILLAPA RIVER	YN05JR	49.716	12N	08W	01	Temperature	Water
Department of Ecology unpublished data from the Willapa TMDL Study shows a 7-day mean of daily maximum values of 19.9 for the week ending 14 August 2001 at station 8 (Willapa R abv Trap Creek). Department of Ecology unpublished data from the Willapa TMDL Study shows 8 excursions beyond the criterion during 2001											
Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRTR-1 (Willapa R abv Trap Creek) shows 0 excursions beyond the criterion out of 12 samples collected between 04/98 - 12/98.											

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
24	6847	5	N	WILLAPA RIVER Department of Ecology unpublished data from the Willapa TMDL Study shows a 7-day mean of daily maximum values of 20.7 for the week ending 14 August 2001 at station 6 (Willapa R at SR6 nr Holcom). Department of Ecology unpublished data from the Willapa TMDL Study shows 29 excursions beyond the criterion during 2001	YN05JR	45.265	13N	08W	49	Temperature	Water
24	6849	5	N	WILLAPA RIVER Department of Ecology unpublished data from the Willapa TMDL Study shows a 7-day mean of daily maximum values of 21.2 for the week ending 13 August 2001 at station 4 (Willapa R at Oxbow Road). Department of Ecology unpublished data from the Willapa TMDL Study shows 25 excursions beyond the criterion during 2001 Data from the Department of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WROX-1 (Willapa R at Oxbow Road) shows 1 excursions beyond the criterion measured on these dates: 98/09/01,	YN05JR	41.711	13N	08W	48	Temperature	Water
24	6851	5	N	WILLAPA RIVER Department of Ecology unpublished data from the Willapa TMDL Study shows a 7-day mean of daily maximum values of 21.3 for the week ending 14 August 2001 at station 3 (Willapa R at SR 6 nr Menlo). Department of Ecology unpublished data from the Willapa TMDL Study shows 37 excursions beyond the criterion during 2001 Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRMN-1 (Willapa R at SR 6 nr Menlo) shows 3 excursions beyond the criterion measured on these dates: 98/07/14, 98/08/04, 98/09/01,	YN05JR	34.991	13N	08W	14	Temperature	Water
24	6861	5	N	WILLAPA RIVER Department of Ecology unpublished data from the Willapa TMDL Study shows a 7-day mean of daily maximum values of 23.1 for the week ending 14 August 2001 at station 2 (Willapa R. abv Mill creek). Department of Ecology unpublished data from the Willapa TMDL Study shows 68 excursions beyond the criterion during 2001	YN05JR	30.247	13N	08W	02	Temperature	Water
24	6866	5	N	WILLAPA RIVER Department of Ecology unpublished data from the Willapa TMDL Study shows a 7-day mean of daily maximum values of 18.2 for the week ending 14 August 2001 at station 15 (Willapa R at Swiss Picknik). Department of Ecology unpublished data from the Willapa TMDL Study shows 4 excursions beyond the criterion during 2001	YN05JR	63.012	12N	07W	10	Temperature	Water
24	6868	5	N	WILLAPA RIVER Department of Ecology unpublished data from the Willapa TMDL Study shows a 7-day mean of daily maximum values of 19.8 for the week ending 14 August 2001 at station 13 (Willapa R. abv Halfmoon Cr). Department of Ecology unpublished data from the Willapa TMDL Study shows 20 excursions beyond the criterion during 2001 Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRSW-1 (Willapa R at Swiss Picknik Rd) shows 0 excursions beyond the criterion out of 12 samples collected between 04/98 - 12/98.	YN05JR	59.129	12N	07W	03	Temperature	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Medium	Remarks	
43027.	24	6870	5	N	WILLAPA RIVER	YN05JR	56.69	12N	07W	04	Temperature	Water
	Department of Ecology unpublished data from the Willapa TMDL Study shows a 7-day mean of daily maximum values of 18.7 for the week ending 14 August 2001 at station 11 (Willapa R at Lebam). Department of Ecology unpublished data from the Willapa TMDL Study shows 6 excursions beyond the criterion during 2001.										Listing was split because it errantly identified the location as both "near Ellis Slough" and "at Lebam". See Listing ID 01/06/05 -kk	
	Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRLE-1 (Willapa R at Lebam) shows 0 excursions beyond the criterion out of 12 samples collected between 04/98 - 12/98.											
	24	6871	5	N	WILLAPA RIVER	YN05JR	52.59	13N	07W	32	Temperature	Water
Department of Ecology unpublished data from the Willapa TMDL Study shows a 7-day mean of daily maximum values of 19.5 for the week ending 13 August 2001 at station 10 (Willapa abv Fork at Doyle). Department of Ecology unpublished data from the Willapa TMDL Study shows 15 excursions beyond the criterion during 2001												
	24	6872	5	Y	WILLAPA RIVER	YN05JR	28.147	13N	08W	52	Temperature	Water
Department of Ecology unpublished data from the Willapa TMDL Study shows a 7-day mean of daily maximum values of 22.5 for the week ending 14 August 2001 at station 1 (Willapa R at Camp One Rd). Department of Ecology unpublished data from the Willapa TMDL Study shows 66 excursions beyond the criterion during 2001.												
Scholz, 1999, shows a 7-day mean of maximum daily temperature of 16 degrees C, with a maximum daily temperature of 16.9 degrees C from continuous measurements collected in 1998 at Mad River above Berg Creek.												
Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRC1-1 (Willapa R at Camp One Rd) shows 5 excursions beyond the criterion measured on these dates: 98/07/15, 98/08/04, 98/08/05, 98/09/01, 98/09/02												
Dept. of Ecology unpublished data from core ambient monitoring station 24B090 (Willapa R. near Willapa) shows a 7-day mean of daily maximum values of 22 for mid-week 11 August 2001.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 24B090 (WILLAPA RIVER NEAR WILLAPA) shows 3 excursions beyond the criterion out of 41 samples collected between 1993 - 2001												
	24	43027	5	N	WILLAPA RIVER	YN05JR	14.735	14N	08W	20	Temperature	Water
Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WREL-1 (Willapa R near Ellis Slough) shows 2 excursions beyond the criterion measured on these dates: 98/08/05, 98/09/02.										Split from Listing ID 6870 on 01/06/05. Previous listing errantly consolidated listings near Ellis Slough with listings near Lebam. -kk		
	24	14916	5	N	WILLAPA RIVER, S.F.	IK15OR	1.439	14N	08W	19	Dissolved oxygen	Water
Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station SFRK-1 (South Fork Willapa R @ 101 Br) shows 4 excursions beyond the criterion measured on these dates: 98/05/05, 98/08/05, 98/09/02, 98/11/04										TMDL is in progress, data for current study show exceedances (Pickett, ECY/EAP 11/03).		
Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station SFRK-1 (South Fork Willapa R @ 101 Br) shows 3 excursions beyond the criterion measured on these dates: 98/05/05, 98/08/05, 98/09/02,												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
24	10009	5	N	WILSON CREEK Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WILSON-1 (Wilson Creek) shows the geometric mean of 89 does not exceed the criterion and that 29 % of the samples exceeds the percentile criterion from 7 samples collected during 1998.	RX96AH	0	14N	08W	27	Fecal Coliform	Water
25	35175	5	N	ABERNATHY CREEK Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 18.8 degrees C, with a maximum daily temperature of 20.7 degrees C from continuous measurements collected in 2002 at Abernathy - Above Wiest Creek.	AP47TF	5.237	09N	04W	26	Temperature	Water
25	35254	5	N	ABERNATHY CREEK Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 18.6 degrees C, with a maximum daily temperature of 20.1 degrees C from continuous measurements collected in 2002 at Abernathy - Above Slide Creek.	AP47TF	1.725	08N	04W	03	Temperature	Water
25	35255	5	N	ABERNATHY CREEK Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 18.5 degrees C, with a maximum daily temperature of 20 degrees C from continuous measurements collected in 2002 at Abernathy - Lower.	AP47TF	0.557	08N	04W	39	Temperature	Water
25	35178	5	N	COAL CREEK Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 19.2 degrees C, with a maximum daily temperature of 20.5 degrees C from continuous measurements collected in 2002 at Coal Creek - Above Harmony Creek.	NP34OX	1.271	08N	03W	10	Temperature	Water
25	35180	5	N	COAL CREEK Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 18.8 degrees C, with a maximum daily temperature of 20.5 degrees C from continuous measurements collected in 2002 at Coal Creek - Above East Fork.	NP34OX	7.58	09N	03W	27	Temperature	Water
25	8768	5	Y	COLUMBIA RIVER Laflamme and Gilroy, 1996. , excursions beyond the National Toxic Rule criterion in sturgeon fillets in 1994 and 1995..	NN57SG	46123C7H4	46.275	123.745	4,4'-DDE	The data used for the cited report (Tetra Tech, 1996) results from a composite of fish from many different locations. The lowest downstream station sampled (RM 20) is used for identifying the segment location.	Tissue
25	8764	5	Y	COLUMBIA RIVER Tetra Tech, 1993 , 3 excursions beyond the national toxics rule criterion in the edible tissue of a individual White Sturgeon at RM 49.	NN57SG	46123B2E7	46.145	123.275	Dieldrin		Tissue
25	6697	5	Y	COLUMBIA RIVER Hallock and Ehinger, 1993., excursions beyond criteria near Longview from 9/92 to 12/92.;	NN57SG	46122B9A5	46.105	122.955	Fecal Coliform	Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Medium	Remarks
25	3785	5	Y	COLUMBIA RIVER Tanner, et al. 1996, 55 excursions beyond the criterion out of 105 samples (52%) near Kalama, WA in 1996.	NN57SG	46122A8B5	46.015	122.855	Temperature	Water	EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway.
25	21537	5	N	COLUMBIA RIVER Continuous monitoring data from a study by Parametrix (2002 and 2004) indicates exceedances of the numeric temperature criteria of 20°C at RM 71.9 in 2002 and 2003.	NN57SG	46123B0H8	46.175	123.085	Temperature	Water	Northwest Pulp and Paper Association presented rationale a two year study performed by Parametrix (12/16/02 and 3/15/04) that temperatures higher than the 20°C numeric criteria are a natural condition and the segment meets the state water quality standard for temperature. Ecology required pulp mills on the Columbia and White/Stuck River to perform a two-year ambient water temperature monitoring study in accordance with Ecologys WQP 1-11 and quality assurance requirements. Ecology reviewed this study and associated listing in 2003 for natural conditions, but has not yet made a determination of natural conditions for these rivers. EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway that may address this issue. The Parametrix study measured temperature data upstream and downstream of pulp mills along the rivers and found the mills did not have a measurable effect on temperatures (the associated discharges do not exceed 0.3 degrees). This study will be valuable for verifying that pulp mills do not contribute a significant increase in temperature when load allocations are being considered in the TMDL.
25	43540	5	Y	COLUMBIA RIVER Tanner, et al. 1996, 46 excursions beyond the criterion out of 110 samples (42%) at Wauna, OR in 1996.	NN57SG	46123B4F0	46.155	123.405	Temperature	Water	Split from Listing ID 3785 on 05/06/05. -kk
25	8765	5	Y	COLUMBIA RIVER Tetra Tech, 1993. 3 excursions beyond the national toxics rule criterion in the edible tissue of a individual White Sturgeon at RM 49.	NN57SG	46123B2E7	46.145	123.275	Total PCBs	Tissue	
25	8772	5	Y	COLUMBIA RIVER Laflamme and Gilroy, 1996. excursions beyond the National Toxic Rule criterion in sturgeon, L. sucker and carp fillets in 1994 and 1995.	NN57SG	46123C5E5	46.245	123.555	Total PCBs	Tissue	The data used for the cited report (Tetra Tech, 1996) results from a composite of fish from many different locations. The lowest downstream station sampled (RM 29) is used for identifying the segment location.

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
25	8773	5	Y	COLUMBIA RIVER Laflamme and Gilroy, 1996. excursions beyond the National Toxic Rule criterion in Carp, Sturgeon, L. Sucker, Chinook, Coho and Steelhead fillets in 1994 and 1995.	NN57SG	46123C7H4	46.275	123.745		Total PCBs		Tissue
25	35253	5	N	CROOKED CREEK Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 18.4 degrees C, with a maximum daily temperature of 20.3 degrees C from continuous measurements collected in 2002 at Crooked.	UM89LU	12.005	10N	08W	36	Temperature		Water
25	35173	5	N	DELAMETER CREEK Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 19.9 degrees C, with a maximum daily temperature of 21.5 degrees C from continuous measurements collected in 2002 at Delameter - Above Hazel Dell Road.	EF94JD	1.674	09N	02W	17	Temperature		Water
25	35252	5	N	DELAMETER CREEK Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 19 degrees C, with a maximum daily temperature of 20.3 degrees C from continuous measurements collected in 2002 at Delameter - Below Monahan Creek.	EF94JD	4.228	09N	02W	18	Temperature		Water
25	34950	5	N	ELOCHOMAN RIVER Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 21 degrees C, with a maximum daily temperature of 23 degrees C from continuous measurements collected in 2002 at Elochoman R. - Lower.	RE01VV	8.265	09N	05W	31	Temperature		Water
25	3791	5	Y	GERMANY CREEK Sullivan et al 1990. , 8 excursions beyond the criterion in 1988.	OF50GD	12.888	09N	03W	06	Temperature	Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	Water
25	35171	5	N	GERMANY CREEK Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 20 degrees C, with a maximum daily temperature of 21.8 degrees C from continuous measurements collected in 2002 at Germany - below ag.	OF50GD	3.047	08N	04W	41	Temperature		Water
25	35176	5	N	GERMANY CREEK Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 19.2 degrees C, with a maximum daily temperature of 20.6 degrees C from continuous measurements collected in 2002 at Lower Germany Creek.	OF50GD	0.903	08N	04W	12	Temperature		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
25	35177	5	N	GRAYS RIVER	EU11ZS	33.433	11N	06W	31	Temperature		Water
Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 19.1 degrees C, with a maximum daily temperature of 20.6 degrees C from continuous measurements collected in 2002 at Grays River - Above South Fork.												
25	35258	5	N	GRAYS RIVER	EU11ZS	23.177	10N	07W	08	Temperature		Water
Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 18.5 degrees C, with a maximum daily temperature of 19.7 degrees C from continuous measurements collected in 2002 at Grays River - SR4 Bridge.												
25	35179	5	N	GRAYS RIVER, S.F.	UU86ON	0	11N	06W	31	Temperature		Water
Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 19.1 degrees C, with a maximum daily temperature of 20.5 degrees C from continuous measurements collected in 2002 at South Fork Grays River.												
25	7783	5	Y	LONGVIEW DITCHES	FQ06HT	6.62	07N	02W	03	Dissolved oxygen		Water
Cusimano, 1993, 2 excursions beyond criterion at stations A and B on 9/14/92 and 11/16/92. Singleton and Bailey, 1983, 1 excursion beyond the criterion at both stations 2 and 3 on 1/26/83.												
DO											During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments. Based on a review of monitoring studies for	
to											statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues	
											be impaired. (Braley, ECY/WQP, 2003). City of Longview analysis from Bob Gregory dated 12 December 2002 suggests the low oxygen concentration is a natural condition due to groundwater infiltration and iron concentrations. Ecology staff reviewed this listing in 2003 for natural conditions, but could not rule out the possibility that human activities contributed to the excursion(s).	

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium
				Basis						Remarks	
25	7785	5	Y	LONGVIEW DITCHES	FQ06HT	4.932	07N	02W	04	Dissolved oxygen	Water
Cusimano, 1993, 2 excursions beyond criterion at stations C and D on 9/14/92 and 11/16/92. Singleton, 1984, 1 excursion beyond the criterion at stations 5,6,and 9 on 11/15/83. Singleton and Bailey, 1983, 1 excursion beyond the criterion at stations 6, 8, and 9 on 1/26/83.											
During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments. Based on a review of monitoring studies for											
statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues											
be impaired. (Braley, ECY/WQP, 2003). City of Longview analysis from Bob Gregory dated 12 December 2002 suggests the low oxygen concentration is a natural condition due to groundwater infiltration and iron concentrations. Ecology staff reviewed this listing in 2003 for natural conditions, but could not rule out the possibility that human activities contributed to the excursion(s).											
25	7786	5	N	LONGVIEW DITCHES	FQ06HT	3.094	07N	02W	05	Dissolved oxygen	Water
Weyerhaeuser Company unpublished data show excursions beyond the criterion in 2001 and 2002. Cusimano, 1993, 2 excursions beyond criterion at stations E, F, and G on 9/14/92 and 11/16/92. Weyerhaeuser, 1990, multiple excursions beyond the criterion at 5 stations on the segment in 9/89, 2/90, and 3/90. Singleton, 1984, 1 excursion beyond the criterion at stations 7, 8, and 10 on 11/15/83. Singleton and Bailey, 1983, 1 excursion beyond the criterion at station 10 on 1/26/83.											
Weyerhaeuser Company analysis from Brian Wood dated 12 December 2002 suggests the low dissolved oxygen is a natural condition due to infiltration of groundwater. City of Longview analysis from Bob Gregory dated 12 December 2002 suggests the low oxygen concentration is a natural condition due to groundwater infiltration and iron concentrations. Ecology staff reviewed this listing in 2003											
natural conditions, but could not rule out the possibility that human activities contributed to the excursion(s).											
25	7787	5	N	LONGVIEW DITCHES	FQ06HT	0.803	08N	02W	31	Dissolved oxygen	Water
Weyerhaeuser Company unpublished data show excursions beyond the criterion in 2001 and 2002. Cusimano, 1993, 2 excursions beyond criterion at station I on 9/14/92 and 11/16/92. Cusimano, 1993, 2 excursions beyond criterion at station H on 9/14/92 and 11/16/92. Singleton, 1984, 1 excursion beyond the upper criterion at stations Douglas St, 12, and WA St. on 11/15/83. Singleton and Bailey, 1983, 1 excursion beyond the criterion at station 11 on 1/26/83.											
Weyerhaeuser Company analysis from Brian Wood dated 12 December 2002 suggests the low dissolved oxygen is a natural condition due to infiltration of groundwater. City of Longview analysis from Bob Gregory dated 12 December 2002 suggests the low oxygen concentration is a natural condition due to groundwater infiltration and iron concentrations. Ecology staff reviewed this listing in 2003											
natural conditions, but could not rule out the possibility that human activities contributed to the excursion(s).											
25	10434	5	Y	LONGVIEW DITCHES	FQ06HT	6.62	07N	02W	03	Fecal Coliform	Water
Cusimano, 1993. Station LKD-A (Longview-Kelso Ditches (A)) and station LKD-B (Longview-Kelso Ditches (B)) show that 3 of 4 total samples (75%) exceeded the											
Two samples were collected at each station within											
percentile criterion collected during 1992.											
waterbody segment.											

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	Remarks	
				Basis									
25	10437	5	N	LONGVIEW DITCHES	FQ06HT	0.803	08N	02W	31	Fecal Coliform	Water		
				Weyerhaeuser Company unpublished data show the geometric mean criterion was exceeded in 2000 and the percentile criterion was exceeded in 2000, 2001, and 2002.									
				Cusimano, 1993. station LKD-I (Longview-Kelso Ditches (I)) shows 1 single samples exceed the geometric mean criterion out of 2 samples collected during 1992.									
25	34953	5	N	MONAHAN CREEK	OR23DO	0	09N	02W	18	Temperature	Water		
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 18.5 degrees C, with a maximum daily temperature of 19.3 degrees C from continuous measurements collected in 2002 at Monahan Creek - Mouth.									
25	7789	5	N	SACAJAWEA LAKE	837NAY	08N	02W	33		Fecal Coliform	Water		
Project				Completed Phase I Federal Clean Lakes Restoration Project in 1976- Problems Encountered: Blue-green algae, high turbidity, low dissolved oxygen, aquatic						Completed Phase II Federal Clean Lakes Restoration			
				macrophytes, sediment phosphorus recycling, storm water, low transparency, fecal coliform bacteria.						in 1987:Gibbs, et al. 1987.Control measures implemented based on the Phase I Study - sediment removal/dredging, dilution/flushing, diversion, structural storm water controls, aquatic macrophyte harvesting, public education.			
				O'Neal et al. (2001) shows 2 sample above the criterion out of 2 samples.						Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.			
25	35174	5	N	SKAMOKAWA CREEK	NR88FK	2.973	09N	06W	05	Temperature	Water		
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 19.9 degrees C, with a maximum daily temperature of 21.1 degrees C from continuous measurements collected in 2002 at Skamokawa - Above Falk Creek.									
25	34949	5	N	UNNAMED CREEK	PC25OL	1.811	09N	03W	21	Temperature	Water		
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 23.4 degrees C, with a maximum daily temperature of 25.7 degrees C from continuous measurements collected in 2002 at Unnamed Tributary - Upper.									
25	35170	5	N	UNNAMED CREEK	PC25OL	0	09N	03W	28	Temperature	Water		
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 20.5 degrees C, with a maximum daily temperature of 22.1 degrees C from continuous measurements collected in 2002 at Unnamed Tributary - Middle.									
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 17.8 degrees C, with a maximum daily temperature of 18.9 degrees C from continuous measurements collected in 2002 at Unnamed Tributary - Lower.									
25	35172	5	N	WILSON CREEK	TE30VO	0.4	09N	06W	04	Temperature	Water		
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 19.9 degrees C, with a maximum daily temperature of 21.6 degrees C from continuous measurements collected in 2002 at Wilson Creek - Lower.									

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
26	22184	5	N	1918 CREEK	MJ08JW	0.003	11N	07E	34	Temperature	Water
Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 18.7 degrees C from continuous measurements collected during 2002 at the station called '1918 Creek at Greenhorn Creek confluence'.											
Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 19 degrees C from continuous measurements collected during 2001 at the station called '1918 Creek at Greenhorn Creek confluence'.											
26	34976	5	N	ARKANSAS CREEK	WF06LS	2.801	09N	02W	09	Temperature	Water
Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 21.8 degrees C, with a maximum daily temperature of 23 degrees C from continuous measurements collected in 2002 at Arkansas Creek - Above Delameter.											
26	34977	5	N	ARKANSAS CREEK	WF06LS	1.128	09N	02W	16	Temperature	Water
Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 21.7 degrees C, with a maximum daily temperature of 22.9 degrees C from continuous measurements collected in 2002 at Arkansas Creek - Below Delameter.											
26	34981	5	N	ARKANSAS CREEK	WF06LS	9.433	10N	02W	31	Temperature	Water
Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 18.9 degrees C, with a maximum daily temperature of 20.4 degrees C from continuous measurements collected in 2002 at Arkansas Creek - Upper.											
26	7790	5	Y	BAIRD CREEK	WA62BY	0.151	08N	02E	18	Temperature	Water
Sullivan, et al. 1990 , 13 excursions beyond the criterion measured in 1988.										Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	
26	22199	5	N	CISPUS RIVER	FB00IP	12.937	11N	07E	19	Temperature	Water
Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 17.1 degrees C from continuous measurements collected during 2000 at the station called 'Cispus River above Iron Creek'.											
Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 16.5 degrees C from continuous measurements collected during 2002 at the station called 'Cispus River near Forest Boundary'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 17.9 degrees C from continuous measurements collected during 2001 at the station called 'Cispus River near Forest Boundary'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 17.1 degrees C from continuous measurements collected during 2000 at the station called 'Cispus River near Forest Boundary'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 14.76 degrees C from continuous measurements collected during 1999 at the station called 'Cispus River near Forest Boundary'.											

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium	Remarks	
				Basis								
26	21538	5	N	COLUMBIA RIVER	NN57SG	46122A8F7	46.055	122.875	Temperature	Water	Continuous monitoring data from a study by Parametrix (2002 and 2004) indicates exceedances of the numeric temperature criteria of 20°C at RM 71.9 in 2002 and 2003.	
Northwest Pulp and Paper Association presented rationale a two year study performed by Parametrix (12/16/02 and 3/15/04) that temperatures higher than the 20°C numeric criteria are a natural condition and the segment meets the state water quality standard for temperature. Ecology required pulp mills on the Columbia and White/Stuck River to perform a two-year ambient water temperature monitoring study in accordance with Ecologys WQP 1-11 and quality assurance requirements. Ecology reviewed this study and associated listing in 2003 for natural conditions, but has not yet made a determination of natural conditions for these rivers. EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway that may address this issue. The Parametrix study measured temperature data upstream and downstream of pulp mills along the rivers and found the mills did not have a measurable effect on temperatures (the associated discharges do not exceed 0.3 degrees). This study will be valuable for verifying that pulp mills do not contribute a significant increase in temperature when load allocations are being considered in the TMDL.												
26	7795	5	Y	COWEEMAN RIVER	ON59SG	13.709	07N	01W	04	Temperature	Water	Sullivan, et al. 1990 , numerous excursions beyond the criterion at Andrews Ranch Site during 1988.
Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.												
26	34973	5	N	COWEEMAN RIVER	ON59SG	10.746	08N	01W	32	Temperature	Water	Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 23.4 degrees C, with a maximum daily temperature of 25.1 degrees C from continuous measurements collected in 2002 at Coweeman - Lower.
26	34974	5	N	COWEEMAN RIVER	ON59SG	16.645	08N	01W	34	Temperature	Water	Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 22.7 degrees C, with a maximum daily temperature of 24.3 degrees C from continuous measurements collected in 2002 at Coweeman - Below Goble Creek.
26	34979	5	N	COWEEMAN RIVER	ON59SG	24.914	08N	01W	13	Temperature	Water	Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 20.9 degrees C, with a maximum daily temperature of 22 degrees C from continuous measurements collected in 2002 at Coweeman - Upper.

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
26	17163	5	N	COWLITZ RIVER	EG25YW	44.241	11N	02W	28	4,4'-DDE	Tissue
Davis et al. 1998. show the National Toxic Rule criterion was exceeded a composite of 5 fillets of Oncorhynchus clarkii collected on 9/20/1995 at station COWLRV (COWLITZ RIVER NORTHEAST OF VADER).											
Davis et al. 1998. show no excursions beyond the National Toxic Rule criterion in a composite of 5 fillets of Prosopium williamsoni collected on 9/20/1995.											
26	16769	5	N	COWLITZ RIVER	EG25YW	7.582	08N	02W	27	Fecal Coliform	Water
Hallock (2004), Dept. of Ecology ambient station 26B070 meets tested standards for fecal coliform.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 26B070 (Cowlitz R. at Kelso) shows a geometric mean of 60 does not exceed the criterion and that 33% of the samples exceeds the percentile criterion from 9 samples collected during 2001.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 26B070 (Cowlitz R. at Kelso) shows a geometric mean of 12 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 9 samples collected during 2000.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 26B070 (Cowlitz R. at Kelso) shows a geometric mean of 12 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 13 samples collected during 1999.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 26B070 (Cowlitz R. at Kelso) shows a geometric mean of 23 does not exceed the criterion and that 14% of the samples exceeds the percentile criterion from 14 samples collected during 1998.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 26B070 (Cowlitz R. at Kelso) shows a geometric mean of 22 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 1997.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 26B070 (Cowlitz R. at Kelso) shows a geometric mean of 30 does not exceed the criterion and that 20% of the samples exceeds the percentile criterion from 5 samples collected during 1996.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 26B070 (Cowlitz R. at Kelso) shows a geometric mean of 9 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 1995.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 26B070 (Cowlitz R. at Kelso) shows a geometric mean of 16 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 10 samples collected during 1994.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 26B070 (Cowlitz R. at Kelso) shows a geometric mean of 13 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 1993.											
26	6586	5	N	COWLITZ RIVER	EG25YW	7.582	08N	02W	27	Temperature	Water
Dept. of Ecology unpublished data from core ambient monitoring station 26B070 (Cowlitz R. at Kelso) shows a 7-day mean of daily maximum values of 19.2 for mid-week 10 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 26B070 (COWLITZ RIVER AT KELSO) shows 0 excursions beyond the criterion out of 61 samples collected between 1993 - 2001											

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
26	17164	5	N	COWLITZ RIVER	EG25YW	44.241	11N	02W	28	Total PCBs	Tissue
Davis et al. 1998. show the National Toxic Rule criterion was exceeded a composite of 5 fillets of Oncorhynchus clarkii collected on 9/20/1995 at station COWLRV (COWLITZ RIVER NORTHEAST OF VADER).											
Davis et al. 1998. show the National Toxic Rule criterion was exceeded a composite of 5 fillets of Prosopium williamsoni collected on 9/20/1995 at station COWLRV (COWLITZ RIVER NORTHEAST OF VADER).											
26	7796	5	Y	EAST CANYON CREEK	TV32WL	1.041	10N	09E	20	Temperature	Water
36 excursions beyond the criterion sampled by Gifford Pinchot National Forest at Road 2322 crossing in 1994 (submitted by Curry Jones-EPA on 11/22/95).											
Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 16.6 degrees C from continuous measurements collected during 2001 at the station called 'East Canyon Creek above Rd 2322'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 16.4 degrees C from continuous measurements collected during 2000 at the station called 'East Canyon Creek above Rd 2322'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 15.9 degrees C with 40 days that exceeded the criterion from continuous measurements collected during 2002 at the station called 'East Canyon Creek above Rd 2322'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 14.34 degrees C from continuous measurements collected during 1999 at the station called 'East Canyon Creek above Rd 2322'.											
26	7797	5	Y	GOBLE CREEK	HN80UO	8.07	08N	01E	34	Temperature	Water
Sullivan, et al. 1990 , 23 excursions beyond the criterion measured in 1988.										Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	
26	34978	5	N	GOBLE CREEK	AV22OC	0	08N	01W	34	Temperature	Water
Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 20.5 degrees C, with a maximum daily temperature of 22.2 degrees C from continuous measurements collected in 2002 at Goble Creek.											
26	22222	5	N	GREENHORN CREEK	IU72KL	5.092	11N	07E	34	Temperature	Water
Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 16.1 degrees C from continuous measurements collected during 2001 at the station called 'Greenhorn Creek above 1918 Creek'.											

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
26	22224	5	N	GREENHORN CREEK	IU72KL	0	11N	07E	15	Temperature		Water
<p>Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 18.4 degrees C from continuous measurements collected during 2002 at the station called 'Greenhorn Creek at Cispus confluence'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 18.8 degrees C from continuous measurements collected during 2001 at the station called 'Greenhorn Creek at Cispus confluence'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 19.1 degrees C from continuous measurements collected during 2000 at the station called 'Greenhorn Creek at Cispus confluence'.</p> <p>Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 17.9 degrees C from continuous measurements collected during 2001 at the station called 'Greenhorn Creek at Rd 76 crossing'.</p>												
26	7799	5	Y	HERRINGTON CREEK	JJ99IK	0	09N	03E	28	Temperature		Water
<p>Sullivan, et al. 1990 , 16 excursions beyond the criterion during 1988.</p>											Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	
26	7800	5	N	HOFFSTADT CREEK	NI54RD	11.698	10N	03E	23	Temperature		Water
<p>Sullivan, et al. 1990 , 26 excursions beyond the criterion at T19N-R2E-S23 during1988 .</p>											Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	
26	22230	5	Y	IRON CREEK	ZZ28OH	0	11N	07E	19	Temperature		Water
<p>Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 16.8 degrees C from continuous measurements collected during 2002 at the station called 'Iron Creek at Cispus confluence'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 17.6 degrees C from continuous measurements collected during 2001 at the station called 'Iron Creek at Cispus confluence'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 17.4 degrees C from continuous measurements collected during 2000 at the station called 'Iron Creek at Cispus confluence'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 15.3 degrees C from continuous measurements collected during 1999 at the station called 'Iron Creek at Cispus confluence'.</p> <p>Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 16 degrees C with 36 days that exceeded the criterion from continuous measurements collected during 2001 at the station called 'Iron Creek at River Mile 1'.</p>												
26	22237	5	N	LAKE CREEK	EU65YO	0	13N	07E	27	Temperature		Water
<p>Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 16.4 degrees C from continuous measurements collected during 1999 at the station called 'Lake Creek near Silver Creek confluence'.</p>												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
26	22239	5	N	LYNX CREEK Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 17 degrees C from continuous measurements collected during 1999 at the station called 'Lynx Creek near Silver Creek confluence'.	XT25RE	0	13N	07E	22	Temperature	Water
26	7802	5	Y	MULHOLLAND CREEK Sullivan, et al. 1990 , 4 excursions beyond the criterion measured in 1988.	NA87LM	0	08N	01E	17	Temperature	Water Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
26	34980	5	N	OSTRANDER CREEK Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 20.2 degrees C, with a maximum daily temperature of 21.7 degrees C from continuous measurements collected in 2002 at Ostrander Creek - Above South Fork.	BI68ZD	1.069	08N	02W	12	Temperature	Water
26	34975	5	N	OSTRANDER CREEK, S.F. Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 21.5 degrees C, with a maximum daily temperature of 23.3 degrees C from continuous measurements collected in 2002 at South Fork Ostrander Creek.	UZ08OV	0	08N	02W	12	Temperature	Water
26	22253	5	N	PUMICE CREEK Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 16.2 degrees C from continuous measurements collected during 2001 at the station called 'Pumice Creek at Pinto Creek confluence'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 15.5 degrees C with 26 days that exceeded the criterion from continuous measurements collected during 2002 at the station called 'Pumice Creek at Pinto Creek confluence'.	BC37WF	0	10N	07E	24	Temperature	Water
26	7803	5	N	SCHULTZ CREEK Sullivan, et al. 1990 , 27 excursions beyond the criterion during 1988.	SR33SN	0.946	10N	04E	10	Temperature	Water Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium	Remarks	
				Basis								
26	7805	5	Y	SILVER CREEK 72 excursions beyond the criterion sampled by Gifford Pinchot National Forest in 1992 and 1993 (submitted by Curry Jones-EPA on 11/22/95); Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 16.1 degrees C from continuous measurements collected during 2002 at the station called 'Silver Creek near Forest Boundary'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 16.6 degrees C from continuous measurements collected during 2001 at the station called 'Silver Creek near Forest Boundary'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 17 degrees C from continuous measurements collected during 2000 at the station called 'Silver Creek near Forest Boundary'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 16 degrees C with 47 days that exceeded the criterion from continuous measurements collected during 1999 at the station called 'Silver Creek near Forest Boundary'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 16.5 degrees C from continuous measurements collected during 2001 at the station called 'Silver Creek 1/2 mile above Mary Kiona Park'.	CT81WJ	1.46	12N	07E	10	Temperature	Water	Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
26	22257	5	N	SILVER CREEK Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 16.8 degrees C from continuous measurements collected during 2001 at the station called 'Silver Creek Above East Fork Silver Crk'.	CT81WJ	3.456	12N	07E	03	Temperature	Water	
27	21992	5	N	BREEZE CREEK Clark County unpublished data from station BRZ010 (Breeze Cr upstrm of LaCenter Btms bridge) show a geometric mean of 652 cfu/100mL from 6 samples collected in 2002.	WG95PJ	0	04N	01E	03	Fecal Coliform	Water	
27	10014	5	N	CEDAR CREEK Summers (2001) station SRIW2703 (WATER QUALITY AT GRIST MILL/TRAP) shows the geometric mean of 16 does not exceed the criterion and that 0 % of the samples does not exceed the percentile criterion from 3 samples collected during 2000.; Summers (2001) station SRIW2703 (WATER QUALITY AT GRIST MILL/TRAP) shows the geometric mean of 57 does not exceed the criterion and that 22 % of the samples exceeds the percentile criterion from 9 samples collected during 2001.;	CP21GZ	3.928	05N	02E	08	Fecal Coliform	Water	
27	37822	5	N	CLEAR CREEK Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows temperature was exceeded in 6 separate years from measurements collected during 1991,1997-2002 at the station called 'Near confluence w/ Muddy River'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a maximum 7-day mean of daily maximum values of 16.4 degrees C from continuous measurements collected during 1991,1997-2002 at the station called 'Near confluence w/ Muddy River'.	KD11RD	2.293	08N	07E	31	Temperature	Water	
27	37825	5	N	CLEARWATER CREEK Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows temperature was exceeded in 5 separate years from measurements collected during 1996-1999,2001-2002 at the station called '8 Miles above Muddy River'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a maximum 7-day mean of daily maximum values of 13.9 degrees C from continuous measurements collected during 1996-1999,2001-2002 at the station called '8 Miles above Muddy River'.	SA80NM	0.653	08N	06E	14	Temperature	Water	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
27	8782	5	Y	COLUMBIA RIVER Tetra Tech, 1993 , 3 excursions beyond the national toxics rule criterion in the edible tissue of a individual White Sturgeon at RM 75.	NN57SG	46122A8A5	46.005	122.855		Dieldrin		Tissue
27	8783	5	Y	COLUMBIA RIVER Tetra Tech, 1993 , 3 excursions beyond the national toxics rule criterion in the edible tissue of a individual White Sturgeon at RM 75.	NN57SG	46122A8A5	46.005	122.855		Total PCBs		Tissue
27	37821	5	N	COPPER CREEK Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows temperature was exceeded in 8 separate years from measurements collected during 1977-1981,1996-2002 at the station called 'Above Bolin Creek'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a maximum 7-day mean of daily maximum values of 17.2 degrees C from continuous measurements collected during 1977-1981,1996-2002 at the station called 'Above Bolin Creek'.	SP80TK	2.443	04N	05E	30	Temperature		Water
27	16772	5	N	GEE CREEK Hallock (2001) Dept. of Ecology Ambient Monitoring Station 27F070 (Gee Creek at Ridgefield) shows a geometric mean of 132 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 3 samples collected during 1994.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 27F070 (Gee Creek at Ridgefield) shows a geometric mean of 137 exceeds the criterion and that 44% of the samples exceeds the percentile criterion from 9 samples collected during 1995.	FH67KG	7.267	04N	01E	37	Fecal Coliform		Water
27	21994	5	N	GEE CREEK Clark County unpublished data from station GEE050 (Gee Cr dnstrm of Royle Road) show a geometric mean of 304 cfu/100mL from 6 samples collected in 2002.	FH67KG	9.452	04N	01E	29	Fecal Coliform		Water
27	6341	5	N	HORSESHOE LAKE Completed Phase I State Clean Lakes Restoration Project in 1993: Welch, et al. 1992.	323GIS	36N	01W	33		Total Phosphorus	Active Phase II State Clean Lakes Restoration Project: Implementation of control methods based on the Phase I Study underway.	Water
27	6587	5	Y	KALAMA RIVER Dept. of Ecology unpublished data from core ambient monitoring station 27B070 (Kalama R. near Kalama) shows a 7-day mean of daily maximum values of 20.2 for mid-week 10 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 27B070 (KALAMA RIVER NEAR KALAMA) shows 0 excursions beyond the criterion out of 41 samples collected between 1993 - 2001	QB31IV	4.11	07N	01W	32	Temperature		Water
27	37818	5	N	LEWIS RIVER Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows temperature was exceeded in 11 separate years from measurements collected during 1975-1988,1991,1997-2000,2002 at the station called 'Above Curly Creek'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a maximum 7-day mean of daily maximum values of 15.4 degrees C from continuous measurements collected during 1975-1988,1991,1997-2000,2002 at the station called 'Above Curly Creek'.	CP62CH	93.222	07N	07E	29	Temperature		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
27	37833	5	N	LEWIS RIVER	CP62CH	100.50 4	07N	07E	10	Temperature		Water
Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows temperature was exceeded in 2 separate years from measurements collected during 2001-2002 at the station called 'Above Big Creek'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a maximum 7-day mean of daily maximum values of 16.2 degrees C from continuous measurements collected during 2001-2002 at the station called 'Above Big Creek'.												
27	6532	5	N	LEWIS RIVER	CP62CH	72.487	07N	05E	28	Total Dissolved Gas		Water
Unpublished data from Cowlitz PUD station S2 (Swift #1 Tailrace) shows the the criterion was exceeded 9 out of 10 days measured during 2000.												
27	6535	5	N	LEWIS RIVER	CP62CH	67.018	07N	04E	25	Total Dissolved Gas		Water
Unpublished data from Cowlitz PUD station S5 (Swift #2 Tailrace) shows the the criterion was exceeded 3 out of 10 days measured during 2000.												
Unpublished data from Cowlitz PUD station Y1 (Swift #2 Tailrace) shows the the criterion was exceeded 11 out of 43 days measured during 2000.												
27	6542	5	N	LEWIS RIVER	CP62CH	53.089	06N	04E	32	Total Dissolved Gas		Water
Unpublished data from Cowlitz PUD station Y7 (Yale Tailrace) shows the the criterion was exceeded 14 out of 20 days measured during 2000.												
Unpublished data from Cowlitz PUD station M1 (Yale Tailrace) shows the the criterion was exceeded 0 out of 20 days measured during 2000.												
27	7815	5	Y	LEWIS RIVER, E.F.	EI60MF	3.951	04N	01E	03	Fecal Coliform		Water
Hutton (1994) shows 5 excursions beyond the criterion at the Pollack Road station in 1991 and 1992.											Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	
27	7818	5	Y	LEWIS RIVER, E.F.	EI60MF	37.736	04N	03E	13	Fecal Coliform		Water
Hutton (1994) shows 6 excursions beyond the criterion at the Moulton Falls station in 1991 and 1992.											Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium
				Basis						Remarks	
27	16771	5	N	LEWIS RIVER, E.F.	EI60MF	15.026	04N	02E	20	Fecal Coliform	Water
Hallock (2004), Dept. of Ecology ambient station 27D090 shows 1 of 4 samples (25%) in year 2001 exceeded the percentile criterion and 1 of 12 samples (8.3%) in year 2002 exceeded the percentile criterion.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 27D090 (Lewis R E.F. near Dollar Corner) shows a geometric mean of 16 does not exceed the criterion and that 11% of the samples exceeds the percentile criterion from 9 samples collected during 2001.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 27D090 (Lewis R E.F. near Dollar Corner) shows a geometric mean of 7 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 13 samples collected during 2000.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 27D090 (Lewis R E.F. near Dollar Corner) shows a geometric mean of 9 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 14 samples collected during 1999.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 27D090 (Lewis R E.F. near Dollar Corner) shows a geometric mean of 11 does not exceed the criterion and that 6% of the samples does not exceed the percentile criterion from 17 samples collected during 1998.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 27D090 (Lewis R E.F. near Dollar Corner) shows a geometric mean of 11 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 10 samples collected during 1997.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 27D090 (Lewis R E.F. near Dollar Corner) shows a geometric mean of 8 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 6 samples collected during 1996.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 27D090 (Lewis R E.F. near Dollar Corner) shows a geometric mean of 27 does not exceed the criterion and that 20% of the samples exceeds the percentile criterion from 10 samples collected during 1995.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 27D090 (Lewis R E.F. near Dollar Corner) shows a geometric mean of 14 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 3 samples collected during 1994.											
27	6588	5	Y	LEWIS RIVER, E.F.	EI60MF	15.026	04N	02E	20	Temperature	Water
Dept. of Ecology unpublished data from core ambient monitoring station 27D090 (Lewis R E.F. near Dollar Corner) shows a 7-day mean of daily maximum values of 24.4 for mid-week 10 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 27D090 (EF LEWIS RIVER NEAR DOLLAR CORNER) shows 7 excursions beyond the criterion out of 41 samples collected between 1993 - 2001											
27	37824	5	N	LEWIS RIVER, E.F.	EI60MF	45.53	04N	04E	22	Temperature	Water
Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows temperature was exceeded in 5 separate years from measurements collected during 1997,1999-2002 at the station called 'Above Niccolls Creek'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a maximum 7-day mean of daily maximum values of 18.5 degrees C from continuous measurements collected during 1997,1999-2002 at the station called 'Above Niccolls Creek'.											
27	37826	5	N	LEWIS RIVER, E.F.	EI60MF	54.79	04N	05E	16	Temperature	Water
Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows temperature was exceeded in 3 separate years from measurements collected during 1996-1998 at the station called 'Below McKinley Cr.'.											

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
27	37828	5	N	LEWIS RIVER, E.F. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows temperature was exceeded in 3 separate years from measurements collected during 1999-2002 at the station called 'Above Green Fork'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a maximum 7-day mean of daily maximum values of 16.1 degrees C from continuous measurements collected during 1999-2002 at the station called 'Above Green Fork'.	EI60MF	58.932	04N	05E	23	Temperature		Water
27	37831	5	N	LEWIS RIVER, E.F. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows temperature was exceeded in 2 separate years from measurements collected during 2001-2002 at the station called 'Below Sunset Falls Campground'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a maximum 7-day mean of daily maximum values of 17.8 degrees C from continuous measurements collected during 2001-2002 at the station called 'Below Sunset Falls Campground'.	EI60MF	60.955	04N	05E	24	Temperature		Water
27	37832	5	N	LEWIS RIVER, E.F. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows temperature was exceeded in 2 separate years from measurements collected during 2001-2002 at the station called 'Below Slide Creek'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a maximum 7-day mean of daily maximum values of 16.5 degrees C from continuous measurements collected during 2001-2002 at the station called 'Below Slide Creek'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows temperature was exceeded in 2 separate years from measurements collected during 2001-2002 at the station called 'Above Slide Creek'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a maximum 7-day mean of daily maximum values of 16 degrees C from continuous measurements collected during 2001-2002 at the station called 'Above Slide Creek'.	EI60MF	52.764	04N	05E	17	Temperature		Water
27	7819	5	Y	LOCKWOOD CREEK Hutton (1994) shows 9 excursions beyond the criterion at the Lockwood Creek Road station in 1991 and 1992.	YD45JI	1.579	04N	01E	01	Fecal Coliform	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	Water
27	7822	5	Y	MCCORMICK CREEK Hutton (1994) shows 12 excursions beyond the criterion at the NW LaCenter Road station in 1991 and 1992.	GF76XA	1.841	04N	01E	09	Fecal Coliform	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	Water
27	37820	5	N	MUDDY RIVER Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows temperature was exceeded in 8 separate years from measurements collected during 1991,1996-2002 at the station called 'Above Clear Creek confluence'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a maximum 7-day mean of daily maximum values of 19 degrees C from continuous measurements collected during 1991,1996-2002 at the station called 'Above Clear Creek confluence'.	GU87UX	7.211	07N	06E	01	Temperature		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
27	37830	5	N	MUDDY RIVER Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows temperature was exceeded in 2 separate years from measurements collected during 2001-2002 at the station called 'Below Clear Creek confluence'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a maximum 7-day mean of daily maximum values of 19.7 degrees C from continuous measurements collected during 2001-2002 at the station called 'Below Clear Creek confluence'.	GU87UX	4.602	07N	06E	12	Temperature		Water
27	37819	5	N	QUARTZ CREEK Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows temperature was exceeded in 9 separate years from measurements collected during 1977-1979,1982-1984,1988,1991 at the station called 'Below Platinum Creek'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a maximum 7-day mean of daily maximum values of 15.6 degrees C from continuous measurements collected during 1977-1979,1982-1984,1988,1991 at the station called 'Below Platinum Creek'.	XY22UH	0	08N	08E	18	Temperature		Water
27	37827	5	N	QUARTZ CREEK Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows temperature was exceeded in 3 separate years from measurements collected during 2000-2002 at the station called 'Above Platinum Creek'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a maximum 7-day mean of daily maximum values of 16.1 degrees C from continuous measurements collected during 2000-2002 at the station called 'Above Platinum Creek'. Department of Ecology unpublished data from EMAP station R0CE99-R9808 (QUARTZ CREEK) shows no excursions beyond the criterion from measurements made in 1999.	XY22UH	1.443	08N	08E	07	Temperature		Water
27	21995	5	N	ROCK CREEK Clark County unpublished data from station RCN050 (Rock Cr North upstrm of Gabriel Road) show a geometric mean of 83 cfu/100mL with 16% of samples above the percentile criterion from 6 samples collected in 2002.	XD64JB	5.112	05N	02E	36	Fecal Coliform		Water
27	7824	5	Y	ROCK CREEK (NORTH) Hutton (1994) shows 11 excursions beyond the criterion at the NE Rock Creek Road station in 1991 and 1992.	XD64JB	2.821	04N	02E	02	Fecal Coliform	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	Water
27	7825	5	Y	ROCK CREEK (SOUTH) Hutton (1994) shows 7 excursions beyond the criterion at the Dole Valley Road station in 1991 and 1992.	MI81KO	5.448	03N	04E	05	Fecal Coliform	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	Water
27	37823	5	N	SIOUXON CREEK Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows temperature was exceeded in 5 separate years from measurements collected during 1996-2000 at the station called 'Below West Creek'. Department of Ecology unpublished data from EMAP station R0CE99-R9801 (SIOUXON CREEK) shows no excursions beyond the criterion from measurements made in 1999.	IB29HY	14.026	05N	05E	03	Temperature		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
27	6533	5	N	SWIFT CREEK #2 POWER CANAL Unpublished data from Cowlitz PUD station S3 (Mid-power Canal) shows the the criterion was exceeded 9 out of 10 days measured during 2000.	IN95IE	1.896	07N	05E	30	Total Dissolved Gas		Water
27	7826	5	Y	YACOLT CREEK Hutton (1994) shows 8 excursions beyond the criterion at the NE Railroad Ave station in 1991 and 1992.	KS71ST	0.04	04N	03E	12	Fecal Coliform	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	Water
28	7836	5	Y	BURNT BRIDGE CREEK Gaddis, 1994. , 12 excursions beyond the criterion out of 44 samples at station BBC2 between 1/91 and 12/93.	GB90VP	16.32	02N	01E	38	Dissolved oxygen		Water
28	7839	5	Y	BURNT BRIDGE CREEK Gaddis, 1994. , 3 excursions beyond the criterion out of 32 samples (9%) at station BBC3 between 1/91 and 12/93.	GB90VP	18.38	02N	02E	60	Dissolved oxygen		Water
28	7840	5	Y	BURNT BRIDGE CREEK Gaddis, 1994. , 6 excursions beyond the criterion out of 36 samples (16%) at station BBC4 between 1/91 and 12/93.	GB90VP	20.389	02N	02E	67	Dissolved oxygen		Water
28	7841	5	Y	BURNT BRIDGE CREEK Gaddis, 1994. , 14 excursions beyond the criterion out of 45 samples (31%) at station BBC5 between 1/91 and 12/93.	GB90VP	22.261	02N	02E	56	Dissolved oxygen		Water
28	7844	5	Y	BURNT BRIDGE CREEK Clark County data (submitted by Carl Addy on 10/6/93) show 8 excursions beyond the criterion at 112th Ave station between 7/22/91 and 10/13/92,	GB90VP	23.563	02N	02E	69	Dissolved oxygen	During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues to be impaired. (Braley, ECY/WQP, 2003)	Water
28	7827	5	Y	BURNT BRIDGE CREEK Clark County data (submitted by Carl Addy on 10/6/93) show 15 excursions beyond the criterion at the 18th Street station between 2/4/91 and 11/3/92	GB90VP	18.38	02N	02E	60	Fecal Coliform	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks
28	7828	5	Y	BURNT BRIDGE CREEK Clark County data (submitted by Carl Addy on 10/6/93) show 8 excursions beyond the criterion at Burton Road station between 5/15/91 and 9/15/92	GB90VP	20.222	02N	02E	66	Fecal Coliform	Water	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
28	7829	5	Y	BURNT BRIDGE CREEK Hallock (2004), Dept. of Ecology ambient station 28C070 shows 2 of 3 samples (66.7%) in year 2003 exceeded the percentile criterion. Samadpour et. al., 1999, (submitted by Rosemere Neighborhood Association, 2/12/2004), station BBC1 shows the geometric mean of 441.3 exceeded the criterion and 3 of 5 samples (60%) collected in 1996 exceeded the percentile criterion; the geometric mean of 345.8 exceeded the criterion and 7 of 9 samples (78%) exceeded the percentile criterion in 1997. Clark County data (submitted by Carl Addy on 10/6/93) show 22 excursions beyond the criterion at NW 2nd Ave. station between 1/7/91 and 12/7/92,	GB90VP	9.638	02N	01E	15	Fecal Coliform	Water	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
28	7830	5	Y	BURNT BRIDGE CREEK Clark County data (submitted by Carl Addy on 10/6/93) show10 excursions beyond the criterion at 112th Ave station between 7/9/91 and 9/15/92,	GB90VP	23.563	02N	02E	69	Fecal Coliform	Water	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
28	7832	5	Y	BURNT BRIDGE CREEK Samadpour et. al., 1999, (submitted by Rosemere Neighborhood Association, 2/12/2004), station BBC2 shows the geometric mean of 257.2 exceeded the criterion and 3 of 5 samples (60%) collected in 1996 exceeded the percentile criterion; the geometric mean of 161.6 exceeded the criterion and 2 of 9 samples (22%) exceeded the percentile criterion in 1997. Gaddis, 1994. , 17 excursions beyond the criterion at out of 36 samples at station BBC5 between 1/91 and 12/93.;	GB90VP	22.261	02N	02E	56	Fecal Coliform	Water	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
28	7856	5	Y	BURNT BRIDGE CREEK Samadpour et. al., 1999, (submitted by Rosemere Neighborhood Association, 2/12/2004), station BBC2 shows the geometric mean of 244.7 exceeded the criterion and 2 of 5 samples (40%) collected in 1996 exceeded the percentile criterion; 2 of 2 samples (100%) collected in 1997 exceeded the percentile criterion; the geometric mean of 244.2 exceeded the criterion and 5 of 9 samples (55%) exceeded the percentile criterion in 1997. Gaddis, 1994. , 23 excursions beyond the criterion at out of 36 samples at station BBC2 between 1/91 and 12/93.;	GB90VP	16.32	02N	01E	38	Fecal Coliform	Water	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
28	7858	5	Y	BURNT BRIDGE CREEK Gaddis, 1994. , 15 excursions beyond the criterion at out of 32 samples at station BBC4 between 1/91 and 12/93.;	GB90VP	20.389	02N	02E	67	Fecal Coliform	Water	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
28	7837	5	Y	BURNT BRIDGE CREEK Gaddis, 1994. , 6 excursions beyond the criterion out of 41 samples (15%) at station BBC1 in 1991,1992,and 1993.	GB90VP	9.638	02N	01E	15	Temperature	Water	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks
28	7847	5	Y	BURNT BRIDGE CREEK	GB90VP	16.32	02N	01E	38	Temperature	Water	
	Gaddis, 1994. , 12 excursions beyond the criterion out of 45 samples (27%) at station BBC2 in 1991, 1992, and 1993.;											
	7848	5	Y	BURNT BRIDGE CREEK	GB90VP	18.38	02N	02E	60	Temperature	Water	
	Gaddis, 1994. , 4 excursions beyond the criterion out of 32 samples (13%) at station BBC3 in 1991, 1992 and 1993.											
	7855	5	Y	BURNT BRIDGE CREEK	GB90VP	22.261	02N	02E	56	Temperature	Water	
28	7862	5	Y	CHINA DITCH	QY97TT	0	02N	03E	06	Dissolved oxygen	Water	
	Clark County data (submitted by Carl Addy on 10/6/93) show 17 excursions beyond the criterion at the NE 174th Ave station between 7/24/91 and 11/3/92.;											
	Clark County data (submitted by Carl Addy on 10/6/93) show 17 excursions beyond the criterion at the NE Ward Road station between 7/24/91 and 11/3/92.;											
	Clark County unpublished data from a diel study at station CHD010 (China Ditch at NE Ward Road) measured excursions beyond the criterion on 30 August 2001.											
	Lafer, 1994, 17 excursions beyond the criterion out of 21 samples (81%) at station A3 (at Ward Road - 172nd Ave Bridge) during 1991 and 1992.											
28	7865	5	Y	CHINA DITCH	QY97TT	0	02N	03E	06	Temperature	Water	
	Lafer, 1994, 9 excursions beyond the criterion out of 21 samples (43%) at station A3 (at Ward Road - 172nd Ave Bridge) during 1991 and 1992.											
	Clark County unpublished data from a diel study at station CHD010 (China Ditch at NE Ward Road) measured excursions beyond the criterion on 30 August 2001.											
28	7868	5	Y	CHINA LATERAL	RP10YQ	3.868	03N	02E	36	Dissolved oxygen	Water	
	Lafer, 1994, 3 excursions beyond the criterion out of 7 samples (38%) at station D2 (China Lateral at 172nd Ave) between 1991 and 1992.											
	During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues											
	be impaired. (Braley, ECY/WQP, 2003)											
28	7869	5	Y	CHINA LATERAL	RP10YQ	3.868	03N	02E	36	Temperature	Water	
	Lafer, 1994, 2 excursions beyond the criterion out of 7 samples (25%) at station D2 (China Lateral at 172nd Ave) during 1991 and 1992.											

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Medium
									Remarks	
28	6705	5	Y	COLUMBIA RIVER Hallock and Ehinger, 1993., excursions beyond criteria at Sauvie Island, from 9/92 to 12/92.;	NN57SG	45122I7A8	45.805	122.785	Fecal Coliform	Water
28	6293	5	N	COLUMBIA RIVER U.S. Army Corp of Engineers (2001) station WRNO (Warrendale) shows 47 days exceeding the numeric criterion (20 deg. C) in 2000.	NN57SG	45122F0J6	45.595	122.065	Temperature	Water
28	6294	5	N	COLUMBIA RIVER U.S. Army Corp of Engineers (2001) station CWMW (Camas/Washougal) shows 59 days exceeding the numeric criterion (20 deg. C) in 2000.	NN57SG	45122F3F1	45.555	122.315	Temperature	Water
28	6295	5	Y	COLUMBIA RIVER U.S. Army Corp of Engineers (2001) station SKAW (Skamania) shows 45 days exceeding the numeric criterion (20 deg. C) in 2000. Tanner, et al. 1996. , 48 excursions beyond the numeric criterion (20 deg.)near Skamania, WA in 1996.	NN57SG	45122G0A5	45.605	122.055	Temperature	Water
28	7876	5	Y	COLUMBIA RIVER Tanner, et al. 1996. , 48 excursions beyond the numeric criterion (20 deg. C) out of 170 samples (37%) near Dodson, OR in 1996.	NN57SG	45122G0B3	45.615	122.035	Temperature	Water
28	7877	5	Y	COLUMBIA RIVER Tanner, et al. 1996. , 62 excursions beyond the numeric criterion (20 deg. C) out of 180 samples (34%) near Washougal, WA in 1996.	NN57SG	45122F3H5	45.575	122.355	Temperature	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium
Basis									Remarks	
28	21539	5	N	COLUMBIA RIVER	NN57SG	45122F3H6	45.575	122.365	Temperature	Water
Continuous monitoring data from a study by Parametrix (2002 and 2004) indicates exceedances of the numeric temperature criteria of 20°C at RM 122.0 in 2002 and 2003.									Northwest Pulp and Paper Association presented rationale a two year study performed by Parametrix (12/16/02 and 3/15/04) that temperatures higher than the 20°C numeric criteria are a natural condition and the segment meets the state water quality standard for temperature. Ecology required pulp mills on the Columbia and White/Stuck River to perform a two-year ambient water temperature monitoring study in accordance with Ecologys WQP 1-11 and quality assurance requirements. Ecology reviewed this study and associated listing in 2003 for natural conditions, but has not yet made a determination of natural conditions for these rivers. EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway that may address this issue. The Parametrix study measured temperature data upstream and downstream of pulp mills along the rivers and found the mills did not have a measurable effect on temperatures (the associated discharges do not exceed 0.3 degrees). This study will be valuable for verifying that pulp mills do not contribute a significant increase in temperature when load allocations are being considered in the TMDL.	

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium	
Basis									Remarks		
28	21540	5	N	COLUMBIA RIVER	NN57SG	45122G6A0	45.605	122.605	Temperature	Water	
Continuous monitoring data from a study by Parametrix (2002 and 2004) indicates exceedances of the numeric temperature criteria of 20°C at RM 110.3 in 2002 and 2003.									Northwest Pulp and Paper Association presented rationale a two year study performed by Parametrix (12/16/02 and 3/15/04) that temperatures higher than the 20°C numeric criteria are a natural condition and the segment meets the state water quality standard for temperature. Ecology required pulp mills on the Columbia and White/Stuck River to perform a two-year ambient water temperature monitoring study in accordance with Ecologys WQP 1-11 and quality assurance requirements. Ecology reviewed this study and associated listing in 2003 for natural conditions, but has not yet made a determination of natural conditions for these rivers. EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway that may address this issue. The Parametrix study measured temperature data upstream and downstream of pulp mills along the rivers and found the mills did not have a measurable effect on temperatures (the associated discharges do not exceed 0.3 degrees). This study will be valuable for verifying that pulp mills do not contribute a significant increase in temperature when load allocations are being considered in the TMDL.		
28	22053	5	N	CURTIN CREEK	XU25TT	0	03N	02E	20	Dissolved oxygen	Water
Clark County unpublished data from station CUR020 (Curtin Cr dnstrm of NE 139th Street) show excursions beyond the chronic criterion from measurements collected 1998-2002.											
Clark County unpublished data from station CUR020 (Curtin Cr dnstrm of NE 139th Street) show excursions beyond the criterion from measurements collected in 2002.											
28	22061	5	N	CURTIN CREEK	XU25TT	0	03N	02E	20	pH	Water
Clark County unpublished data from station CUR020 (Curtin Cr dnstrm of NE 139th Street) show 16 excursions beyond the chronic criterion from 51 measurements collected 1998-2002.									Low pH		
Clark County unpublished data from station CUR020 (Curtin Cr dnstrm of NE 139th Street) show no excursions beyond the criterion from measurements collected in 2002.											

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium
				Basis							Remarks
28	7894	5	Y	DWYER CREEK	YQ90IX	7.672	02N	03E	50	Dissolved oxygen	Water
				Lafer, 1994, 3 excursions beyond the criterion out of 8 samples (37%) at station C5 (at 1st St. on Dwyer Creek) during 1991 and 1992.							During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues to be impaired. (Braley, ECY/WQP, 2003)
28	7897	5	Y	FIFTH PLAIN CREEK	QO04UK	0.162	02N	03E	07	Dissolved oxygen	Water
				Clark County data (submitted by Carl Addy on 10/6/93) show 7 excursions beyond the criterion at the NE Fourth Plain Road station between 7/24/91 and 8/5/92.;							During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues to be impaired. (Braley, ECY/WQP, 2003)
				Lafer, 1994, 6 excursions beyond the criterion out of 21 samples (28%) at station A2 (at Fourth Plain Road Bridge) during 1991 and 1992.							
28	7901	5	Y	FIFTH PLAIN CREEK	QO04UK	4.833	03N	03E	32	Dissolved oxygen	Water
				Lafer, 1994, 8 excursions beyond the criterion out of 19 samples (42%) at station C3 (at Davis Road Bridge) during 1991 and 1992.							During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues to be impaired. (Braley, ECY/WQP, 2003)
				Clark County unpublished data from a diel study at station FPL050 (Fifth Plain Cr at NE Davis Road) measured excursions beyond the criterion on 30 August 2001.							
28	7908	5	Y	FIFTH PLAIN CREEK	QO04UK	3.413	02N	03E	06	Dissolved oxygen	Water
				Lafer, 1994, 9 excursions beyond the criterion out of 19 samples (47%) at station A4 (at Ward Road - 172nd Ave Bridge) during 1991 and 1992.							During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues to be impaired. (Braley, ECY/WQP, 2003)

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium
				Basis						Remarks	
28	7900	5	Y	FIFTH PLAIN CREEK	QO04UK	4.833	03N	03E	32	Temperature	Water
Lafer, 1994, 7 excursions beyond the criterion out of 19 samples (37%) at station C3 (at Davis Road Bridge) during 1991 and 1992.											
Clark County unpublished data from a diel study at station FPL050 (Fifth Plain Cr at NE Davis Road) measured excursions beyond the criterion on 30 August 2001.											
28	7907	5	Y	FIFTH PLAIN CREEK	QO04UK	3.413	02N	03E	06	Temperature	Water
Lafer, 1994, 9 excursions beyond the criterion out of 19 samples (47%) at station A4 (at Ward Road - 172nd Ave Bridge) during 1991 and 1992.											
28	7912	5	Y	LACAMAS CREEK	YQ90IX	8.596	02N	03E	51	Dissolved oxygen	Water
Clark County data (submitted by Carl Addy on 10/6/93) show 6 excursions beyond the criterion at the NE Goodwin Road station between 7/24/91 and 8/5/92.											
Lafer, 1994, 4 excursions beyond the criterion out of 26 samples (15%) at station A1 (at Goodwin Road Bridge) during 1991 and 1992.											
During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues to be impaired. (Braley, ECY/WQP, 2003)											
28	7915	5	Y	LACAMAS CREEK	YQ90IX	2.286	01N	03E	47	Dissolved oxygen	Water
Lafer, 1994. 12 excursions beyond the criterion out of 20 samples (60%) at station B1 (outlet on Lacamas Creek) during 1991 and 1992.											
During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues to be impaired. (Braley, ECY/WQP, 2003).											
28	7921	5	Y	LACAMAS CREEK	YQ90IX	15.679	02N	03E	07	Dissolved oxygen	Water
Lafer, 1994, 5 excursions beyond the criterion out of 21 samples (23%) at station A5 (at Fourth Plain Road Bridge) during 1991 and 1992.											
During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues to be impaired. (Braley, ECY/WQP, 2003)											

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium
										Remarks	
28	7924	5	Y	LACAMAS CREEK	YQ90IX	20.698	02N	03E	10	Dissolved oxygen	Water
to				Lafer, 1994, 8 excursions beyond the criterion out of 20 samples (40%) at station C1 (just upstream of Matney Creek) during 1991 and 1992.						During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues	
										be impaired. (Braley, ECY/WQP, 2003)	
28	7913	5	Y	LACAMAS CREEK	YQ90IX	8.596	02N	03E	51	Fecal Coliform	Water
				Clark County data (submitted by Carl Addy on 10/6/93) show 2 excursions beyond the criterion at the NE Goodwin Road station on4/5/92 and 7/15/92.						Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	
				Lafer, 1994, 2 excursions beyond the upper criterion at station A1(at Goodwin Road Bridge) on 4/5/92 and 7/15/92 out of 3 samples.							
28	7916	5	Y	LACAMAS CREEK	YQ90IX	2.286	01N	03E	47	pH	Water
				Lafer, 1994. 7 excursions beyond the criterion out of 20 samples (35%) at station B1 (outlet on Lacamas Creek) between 1991 and 1992.						TRS was 01N-03E-44 on 1998 list. -kk	
										Both low pH and high pH	
28	7914	5	Y	LACAMAS CREEK	YQ90IX	2.286	01N	03E	47	Temperature	Water
				Lafer, 1994. 13 excursions beyond the criterion out of 20 samples (65%) at station B1 (outlet on Lacamas Creek) during 1991 and 1992.						TRS was 01N-03E-44 on 1998 list. -kk	
28	7917	5	Y	LACAMAS CREEK	YQ90IX	8.596	02N	03E	51	Temperature	Water
				Lafer, 1994, 7 excursions beyond the criterion out of 26 samples (27%) at station A1 (at Goodwin Road Bridge) during 1991 and 1992.							
28	7920	5	Y	LACAMAS CREEK	YQ90IX	15.679	02N	03E	07	Temperature	Water
				Lafer, 1994, 7 excursions beyond the criterion out of 21 samples (33%) at station A5 (at Fourth Plain Road Bridge) during 1991 and 1992.							
28	7923	5	Y	LACAMAS CREEK	YQ90IX	20.698	02N	03E	10	Temperature	Water
				Lafer, 1994, 7 excursions beyond the criterion out of 20 samples (35%) at station C1 (just upstream of Matney Creek) during 1991 and 1992.							
28	43465	5	N	LACAMAS LAKE	621COD		02N	03E	34	Total PCBs	Tissue
				Seiders, 2004 shows fillet samples of largemouth bass collected in 2003 exceeded the National Toxics Rule criterion for Total PCBs							

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	Remarks		
				Basis										
28	6346	5	N	LACAMAS LAKE	621	COD	02N	03E	34	Total Phosphorus	Water	Completed Phase I State Clean Lakes Restoration Project in 1986 - Problems Encountered: Blue-green algae, low dissolved oxygen, low transparency, high turbidity, tributary nutrient inputs, aquatic macrophytes. Intergovernmental Resource Center, 1988.Beak Consultants and Scientific Resources, 1985. Clark county unpublished data show the summer mean epilimnetic total phosphorus concentrations of 28 ug/L in 1999, 34 ug/L in 2000, 26 ug/L in 2001 and 24 ug/L in 2002.	Phase II State Clean Lakes Restoration Project: Control measures underway based on the Phase I study -watershed nutrient management (dairy waste BMPs, stream bank fencing, septic system management, ordinance development), public education.	
28	40870	5	Y	LAKE RIVER	IQ64	OU	4.372	04N	01W	38	Fecal Coliform	Water	4 excursions beyond the criterion out of 12 samples (33%) at Ecology ambient monitoring station 28F070 (RM3.2) between 9/91 and 9/96	Mistakenly listed entered into 1996 list decision matrix based on station 28F070. This station is on the segment WA-28-1010 and does not represent upstream conditions on
segment													WA-28-1030. JB 7-25-03: REASSESS, OLD DATA	
28	40869	5	Y	LAKE RIVER	IQ64	OU	4.372	04N	01W	38	Temperature	Water	4 excursions beyond the criterion out of 12 samples (33%) at Ecology ambient monitoring station 28F070 between 9/91 and 9/96	Mistakenly listed entered into 1996 list decision matrix based on station 28F070. This station is on the segment WA-28-1010 and does not represent upstream conditions on
segment													WA-28-1030. JB 7-25-03: REASSESES, OLD DATA	
28	7929	5	Y	MATNEY CREEK	JY73	PR	0	02N	03E	09	Dissolved oxygen	Water	Clark County data (submitted by Carl Addy on 10/6/93) show 8 excursions beyond the criterion at the NE 68th Street station between 7/24/91 and 9/3/92.	During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments. Based on a review of monitoring studies for
DO													Clark County unpublished data from station MAT010 (Matney Cr upstrm of NE 68th Street) show no excursions beyond the criterion from measurements collected in 2001-2002.	
to													Lafer, 1994. 7 excursions beyond the criterion out of 19 samples (37%) at station C2 (at 68th St. Bridge) during 1991 and 1992.	statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues
													be impaired. (Braley, ECY/WQP, 2003)	
28	22016	5	N	MATNEY CREEK	JY73	PR	0	02N	03E	09	Fecal Coliform	Water	Clark County unpublished data from station MAT010 (Matney Cr upstrm of NE 68th Street) show a geometric mean of 127 cfu/100mL from 6 samples collected in 2002.	
													Lafer, 1994, 1 excursion beyond the upper criterion at station C2 (at 68th St. Bridge) on 4/5/92 out of 2 samples.	
28	7930	5	Y	MATNEY CREEK	JY73	PR	0	02N	03E	09	Temperature	Water	Lafer, 1994, 5 excursions beyond the criterion out of 19 samples (26%) at station C2 (at 68th St. Bridge) during 1991 and 1992.	
													Clark County unpublished data from station MAT010 (Matney Cr upstrm of NE 68th Street) show excursions beyond the criterion from measurements collected in 2002.	

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium	Remarks	
				Basis								
28	7936	5	Y	ROUND LAKE	636ALD	01N	03E	46	Dissolved oxygen	Water	Lafer, 1994, 5 excursions beyond the criterion out of 11 samples (45%) at station B2 (outlet on Mill Ditch at Garfield Road) during 1991 and 1992.	
											Redesignated as Round Lake instead of Mill Creek. 07/19/04	
											kk	
											During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues	
											be impaired. (Braley, ECY/WQP, 2003)	
28	7935	5	Y	ROUND LAKE	636ALD	01N	03E	46	pH	Water	Lafer, 1994, 7 excursions beyond the criterion out of 11 samples (67%) at station B2 (outlet on Mill Ditch at Garfield Road) between 1991 and 1992.	
											Low pH.	
											Redesignated from Mill Ditch to Round Lake. 07/19/04 -kk	
28	22055	5	N	SALMON CREEK	FP99QE	2.058	03N	01E	20	Dissolved oxygen	Water	Clark County unpublished data from station SMN010 (Salmon Cr at NW 36th Avenue) show excursions beyond the chronic criterion from measurements collected 1998-2002.
28	22063	5	N	SALMON CREEK	FP99QE	2.058	03N	01E	20	pH	Water	Clark County unpublished data from station SMN010 (Salmon Cr at NW 36th Avenue) show 13 excursions beyond the chronic criterion from 51 measurements collected 1998-2002.
											Low pH	
28	22065	5	N	SALMON CREEK	FP99QE	21.063	03N	02E	15	pH	Water	Clark County unpublished data from station SMN050 (Salmon Cr at Caples Road) show 11 excursions beyond the chronic criterion from 51 measurements collected 1998-2002.
											Low pH	
28	22066	5	N	SALMON CREEK	FP99QE	34.326	03N	03E	03	pH	Water	Clark County unpublished data from station SMN080 (Salmon Cr at NE 199th Street) show 17 excursions beyond the chronic criterion from 51 measurements collected 1998-2002.
											Low pH	
28	22047	5	Y	SALMON CREEK	FP99QE	2.058	03N	01E	20	Temperature	Water	Clark County unpublished data from station SMN010 (Salmon Cr at NW 36th Avenue) show excursions beyond the chronic criterion from measurements collected 1998, 1999, 2000 and 2002.

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	
				Basis						Remarks		
2003)	28	7946	5	Y	SHANGHAI CREEK	IA24XE	1.176	02N	03E	05	Dissolved oxygen	Water
	Lafer, 1994, 8 excursions beyond the criterion out of 17 samples (47%) at station C4 (at 212 Ave Bridge) during 1991 and 1992.										Moved to Category 5. sb 4/6/05 During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments. Based on a review of monitoring studies for DO statewide, it was determined that multiple excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues to be impaired. (Braley, ECY/WQP,	
	28	7947	5	Y	SHANGHAI CREEK	IA24XE	1.176	02N	03E	05	pH	Water
	Lafer, 1994, 3 excursions beyond the criterion out of 17 samples (18%) at station C4 (at 212 Ave Bridge) between 1991 and 1992.											
	28	7945	5	Y	SHANGHAI CREEK	IA24XE	1.176	02N	03E	05	Temperature	Water
	Lafer, 1994, 3 excursions beyond the criterion out of 17 samples (18%) at station C4 (at 212 Ave Bridge) during 1991 and 1992.											
Project	28	6324	5	N	VANCOUVER LAKE	073FDJ	03N	01E	32		Fecal Coliform	Water
	Completed Phase I Federal Clean Lakes Restoration Project in 1978- Problems Encountered: Blue-green algae, low transparency, low dissolved oxygen, aquatic macrophytes, sediment phosphorus recycling, fecal coliform bacteria.										Completed Phase II Federal Clean Lakes Restoration in 1986:Dames and Moore, 1980.Control measures implemented based on the Phase I Study - sediment removal/dredging, dilution/flushing. Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	
Project	28	7949	5	N	VANCOUVER LAKE	073FDJ	45122G7H1	45.675	122.715		Fecal Coliform	Water
	Completed Phase I Federal Clean Lakes Restoration Project in 1978- Problems Encountered: Blue-green algae, low transparency, low dissolved oxygen, aquatic macrophytes, sediment phosphorus recycling, fecal coliform bacteria.										Completed Phase II Federal Clean Lakes Restoration in 1986:Dames and Moore, 1980.Control measures implemented based on the Phase I Study - sediment removal/dredging, dilution/flushing.	
Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.The basis cited for the assessment applies to the entire lake. The center grid segment of the lake was selected to represent this information.												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
28	42172	5	N	VANCOUVER LAKE Seiders, 2004. shows the National Toxics Rule criterion was exceeded in Largemouth bass fillet samples collected 10/3/2002. Davis et al, 1995.(Ecology pub # 95-356) shows criterion was exceeded in Largemouth bass fillet samples collected in 1993.	073FDJ	45122G7J1	45.695	122.715	Total PCBs		Tissue
28	6375	5	N	VANCOUVER LAKE Completed Phase I Federal Clean Lakes Restoration Project in 1978- Problems Encountered: Blue-green algae, low transparency, low dissolved oxygen, aquatic macrophytes, sediment phosphorus recycling, fecal coliform bacteria.	073FDJ	03N 01E 51			Total Phosphorus	Completed Phase II Federal Clean Lakes restoration Project in 1986:Dames and Moore, 1980.Control measures implemented based on the Phase I Study - sediment removal/dredging, dilution/flushing.	Water
28	16774	5	N	WASHOUGAL RIVER Hallock (2001) Dept. of Ecology Ambient Monitoring Station 28B110 (Washougal R. below Canyon Creek) shows a geometric mean of 6 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 2 samples collected during 1994.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 28B110 (Washougal R. below Canyon Creek) shows a geometric mean of 33 does not exceed the criterion and that 50% of the samples exceeds the percentile criterion from 4 samples collected during 1997.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 28B110 (Washougal R. below Canyon Creek) shows a geometric mean of 15 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 6 samples collected during 1999.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 28B110 (Washougal R. below Canyon Creek) shows a geometric mean of 18 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 9 samples collected during 1998.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 28B110 (Washougal R. below Canyon Creek) shows a geometric mean of 9 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 11 samples collected during 2000.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 28B110 (Washougal R. below Canyon Creek) shows a geometric mean of 24 does not exceed the criterion and that 22% of the samples exceeds the percentile criterion from 9 samples collected during 1995.	ME26VJ	20.632 02N 05E 31			Fecal Coliform		Water
28	22067	5	N	WEAVER CREEK Clark County unpublished data from station WDN010 (Weaver Creek at Caples Rd.) show 14 excursions beyond the chronic criterion from 51 measurements collected 1998-2002.	HO68MC	0 03N 02E 15			pH	Low pH	Water
28	22018	5	N	WHIPPLE CREEK Clark County unpublished data from station WPL050 (Whipple Cr upstrm of NW 179th Street) show a geometric mean of 634 cfu/100mL from 6 samples collected in 2002.	ER25WD	3.931 03N 01E 17			Fecal Coliform		Water
29	6292	5	N	COLUMBIA RIVER U.S. Army Corp of Engineers (2001) station BON (Bonneville Forebay) shows 41 days exceeding the numeric criterion (20 deg. C) in 2000.	NN57SG	45121G9E3	45.645	121.935	Temperature	EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway.	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
29	16775	5	N	GILMER CREEK	LG76RM	0.112	04N	10E	01	Fecal Coliform		Water
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 29E070 (Gilmer Creek near Mouth) shows a geometric mean of 16 does not exceed the criterion and that 0% of the samples exceeds the percentile criterion from 8 samples collected during 1997.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 29E070 (Gilmer Creek near Mouth) shows a geometric mean of 13 does not exceed the criterion and that 0% of the samples exceeds the percentile criterion from 6 samples collected during 1996.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 29E070 (Gilmer Creek near Mouth) shows a geometric mean of 71 does not exceed the criterion and that 22% of the samples exceeds the percentile criterion from 9 samples collected during 1995.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 29E070 (Gilmer Creek near Mouth) shows a geometric mean of 105 exceeds the criterion and that 0% of the samples exceeds the percentile criterion from 3 samples collected during 1994.												
Underwood Conservation District unpublished data from station WQ-5 show a geometric mean of 203 org/100mL from 3 samples collected in 1996.												
Underwood Conservation District unpublished data from station WQ-5 show a geometric mean of 103 org/100mL from 7 samples collected in 1995.												
Underwood Conservation District unpublished data from station WQ-5 show a geometric mean of 330 org/100mL from 1 sample collected in 1994.												
Underwood Conservation District unpublished data from station WQ-5 show a geometric mean of 151 org/100mL from 4 samples collected in 1993.												
Underwood Conservation District unpublished data from station WQ-5 show a geometric mean of 44 org/100mL from 2 samples collected in 1992.												
29	5882	5	Y	INDIAN CREEK	VR68IC	0	04N	11E	30	Temperature		Water
Rashin and Graber, 1992 , 7 excursions beyond the criterion between 8/19/90 and 9/5/90.											Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	
29	23123	5	N	LITTLE WHITE SALMON RIVER	VP16ET	21.602	04N	09E	02	Temperature		Water
Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows excursions beyond the criterion from measurements collected during 1998, 2000 and 2001 at the station called 'Little White Salmon R above Lusk Cr'.												
29	23125	5	N	LITTLE WHITE SALMON RIVER	VP16ET	13.302	04N	09E	26	Temperature		Water
Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows excursions beyond the criterion from measurements collected during 1995-2001 at the station called 'Little White Salmon R above Moss Cr'.												
29	21892	5	N	MAJOR CREEK	YU21ZE	0.643	03N	12E	30	Temperature		Water
Columbia River Gorge National Scenic Area unpublished data at station MA120 show a 7-day mean of daily maximum values of 25.5 degrees C fromcontinuous measurements collected in 2000. Columbia River Gorge National Scenic Area unpublished data at station MA120 show a 7-day mean of daily maximum values of 24.6 degrees C fromcontinuous measurements collected in 2001.												
Columbia River Gorge National Scenic Area unpublished data at station MA150 show a 7-day mean of daily maximum values of 24.5 degrees C fromcontinuous measurements collected in 2002.												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks
29	5886	5	Y	RATTLESNAKE CREEK Underwood Conservation District data (submitted by Dave Palazzi on 11/29/93) show multiple excursions beyond the criterion measured at the mouth between 10/92 and 7/93.	OY08TT	12.616	04N	11E	30	Fecal Coliform	Water	The raw data needed to reassess the segment are not in the administrative record. The water segment is listed as Category 5 based on the 1998 assessment.
29	5884	5	Y	RATTLESNAKE CREEK Underwood Conservation District data (submitted by Dave Palazzi on 11/29/93) show multiple excursions beyond the criterion measured at the mouth between 7/93 and 9/93. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 29D070 (Rattlesnake Cr nr Mouth) shows 2 excursions beyond the criterion out of 30 samples collected between 1993 - 2001 measured on these dates: 96/08/11, 97/08/13, Underwood Conservation District unpublished data from station WQ-3 show excursions beyond the criterion from measurements collected in 1995 and 2002.	OY08TT	12.616	04N	11E	30	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
29	5885	5	Y	RATTLESNAKE CREEK Mattews, 1992 shows 7-day means of daily maximums of 23.2 at station RS1 during 1990 and 1991. Underwood Conservation District unpublished data from station WQ-3ab show no excursions beyond the criterion from measurements collected from 1992-2002.	EQ92UC	5.732	04N	11E	16	Temperature	Water	
29	21588	5	N	TROUT LAKE DITCH Underwood Conservation District unpublished data from station WQ-7 show a geometric mean of 170 org/100mL from 1 sample collected in 1994. Underwood Conservation District unpublished data from station WQ-7 show a geometric mean of 270 org/100mL from 3 samples collected in 1993. Underwood Conservation District unpublished data from station WQ-7 show a geometric mean of 559 org/100mL from 2 sample collected in 1992.	RG95QI	3.707	05N	11E	07	Fecal Coliform	Water	WASWIS/Lwr Rte changed from NQ43EC - 0.099 to 3.707 on 01/28/05. -kk Changed from Category 2 to Category 5 based on reassessment of data on 09/20/04. -kk
29	5889	5	Y	WHITE SALMON RIVER Underwood Conservation District unpublished data from station WQ-4 show a geometric mean of 34 org/100mL from 3 samples collected in 1996. Underwood Conservation District unpublished data from station WQ-4 show a geometric mean of 136 org/100mL from 7 samples collected in 1995. Underwood Conservation District unpublished data from station WQ-4 show a geometric mean of 104 org/100mL from 3 samples collected in 1993. Underwood Conservation District data(submitted by Dave Palazzi on 11/29/93) show multiple excursions beyond the criterion between 10/92 and 7/93 at BZ Corners. Underwood Conservation District unpublished data from station WQ-4 show a geometric mean of 20 org/100mL from 1 sample collected in 1992.	OY08TT	19.507	04N	10E	11	Fecal Coliform	Water	The raw data needed to reassess the segment are not in the administrative record. The water segment is listed as Category 5 based on the 1998 assessment.

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
29	21587	5	N	WHITE SALMON RIVER	OY08TT	29.457	05N	11E	18	Fecal Coliform		Water
Underwood Conservation District unpublished data from station WQ-6 show a geometric mean of 47 org/100mL from 3 samples collected in 1996.												
Underwood Conservation District unpublished data from station WQ-6 show a geometric mean of 737 org/100mL from 7 samples collected in 1995.												
Underwood Conservation District unpublished data from station WQ-6 show a geometric mean of 230 org/100mL from 1 sample collected in 1994.												
Underwood Conservation District unpublished data from station WQ-6 show a geometric mean of 144 org/100mL from 4 samples collected in 1993.												
Underwood Conservation District unpublished data from station WQ-6 show a geometric mean of 493 org/100mL from 2 samples collected in 1992.												
30	5892	5	Y	COLUMBIA RIVER	NN57SG	45120H7A2		45.705		120.725	Temperature	Water
Tanner, et al. 1996. , 55 excursions beyond the criterion out of 172 samples (32%) near Cliffs, WA in 1996.;											EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway.	
30	5893	5	Y	COLUMBIA RIVER	NN57SG	45121G1B3		45.615		121.135	Temperature	Water
Tanner, et al. 1996. , 33 excursions beyond the criterion out of 135 samples (24%) at the Dalles Dam Forebay in 1996.;											EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway.	
U.S. Army Corp of Engineers (2001) station TDA (The Dalles Forebay) shows 51 days exceeding the criterion in 2000.												
30	5894	5	Y	COLUMBIA RIVER	NN57SG	45121G1A8		45.605		121.185	Temperature	Water
Tanner, et al. 1996. , 33 excursions beyond the criterion out of 80 samples (41%) at The Dalles, OR in 1996.;											EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway.	
U.S. Army Corp of Engineers (2001) station TDDO (The Dalles Tailwater) shows 50 days exceeding the criterion in 2000.												
30	6296	5	N	COLUMBIA RIVER	NN57SG	45120H6B9		45.715		120.695	Temperature	Water
U.S. Army Corp of Engineers (2001) station JHAW (John Day Tailwater) shows 53 days exceeding the criterion in 2000.											EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway.	

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium
				Basis						Remarks	
30	7962	5	Y	SWALE CREEK	XN32HN	5.226	04N	14E	33	Temperature	Water
				Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show 37 excursions beyond the criterion in 1990.						The WRIA 30 Watershed Planning Coordinator provided additional informaiton on Swale Creek for instream flow and temperature, suggesting these impairments were due ot natural conditions. However, staff were not able to rule out anthropogenic sources in this area. Because of the uncertainties with respect to the human influences, these listings will remain in the “impaired” status until further study of the watershed can determine the extent of the influence and what might be done to correct or mitigate them.	
										TRS was 04N-14E-19 on 1998 list. -kk	
										Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	
31	18512	5	N	COLUMBIA RIVER	NN57SG	45120H3A5	45.705	120.355	4,4'-DDE		Tissue
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Channel Catfish composite of 8 fillet with skin collected in 1997 at station 8-C (River Mile 233.2) sample #97500957.							
31	18513	5	N	COLUMBIA RIVER	NN57SG	45120G4J5	45.695	120.455	4,4'-DDE		Tissue
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Channel Catfish composite of 9 fillet with skin collected in 1997 at station 8-B (River Mile 228.5) sample #97500956.							
31	18621	5	N	COLUMBIA RIVER	NN57SG	45120H3A5	45.705	120.355	Chlordane		Tissue
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Channel Catfish composite of 8 fillet with skin collected in 1997 at station 8-C (River Mile 233.2) sample #97500957.							
31	18622	5	N	COLUMBIA RIVER	NN57SG	45120G4J5	45.695	120.455	Chlordane		Tissue
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Channel Catfish composite of 9 fillet with skin collected in 1997 at station 8-B (River Mile 228.5) sample #97500956.							
31	6299	5	Y	COLUMBIA RIVER	NN57SG	45119J2D9	45.935	119.295	Temperature		Water
				U.S. Army Corp of Engineers (2001) station MCQW (McNary Washington Forebay) show 58 days exceeding the numeric criterion (20 deg.C) during 2000.						Same location as U.S. Army Corp of Engineers North	
										Division station MCN-N. EPA has the lead in a	
										TMDL for the Columbia and Snake Rivers that is underway.	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Medium	Remarks
31	6300	5	N	COLUMBIA RIVER	NN57SG	45119J3D0	45.935	119.305	Temperature	Water	U.S. Army Corp of Engineers (2001) station MCPW (McNary Tailwater) shows 45 days exceeding the numeric criterion (20 deg. C) in 2000.
											Same location as U.S. Army Corp of Engineers Station MCNTW. EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway.
	7964	5	Y	COLUMBIA RIVER	NN57SG	45120H6B8	45.715	120.685	Temperature	Water	Tanner, et al. 1996. , 56 excursions beyond the criterion out of 170 samples (33%) at the John Day Dam Forebay in 1996.;
											U.S. Army Corp of Engineers (2001) station JDA (John Day Forebay) shows 60 day exceeding the criterion in 2000.
31	11094	5	N	COLUMBIA RIVER	NN57SG	45119J3D2	45.935	119.325	Temperature	Water	Hallock (2001) Dept. of Ecology Ambient Monitoring Station 31A070 (COLUMBIA RIVER AT UMATILLA) shows 3 excursions beyond the criterion out of 61 samples collected between 1993 - 2001 measured on these dates: 94/08/08, 95/09/11, 97/08/13,
31	21541	5	N	COLUMBIA RIVER	NN57SG	46118A9G4	46.065	118.945	Temperature	Water	Continuous monitoring data from a study by Parametrix (2002 and 2004) indicates exceedances of the numeric temperature criteria of 20°C at RM 318.5 in 2002
											Northwest Pulp and Paper Association presented rationale
and											a two year study performed by Parametrix (12/16/02 and 3/15/04) that temperatures higher than the 20°C numeric criteria are a natural condition and the segment meets the state water quality standard for temperature. Ecology required pulp mills on the Columbia and White/Stuck River to perform a two-year ambient water temperature monitoring study in accordance with Ecologys WQP 1-11 and quality assurance requirements. Ecology reviewed this study and
the											associated listing in 2003 for natural conditions, but has not yet made a determination of natural conditions for these rivers. EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway that may address this issue. The Parametrix study measured temperature data upstream and downstream of pulp mills along the rivers and found the mills did not have a measurable effect on temperatures (the associated discharges do not exceed 0.3 degrees). This study will be valuable for verifying that pulp mills do not contribute a significant increase in temperature when load allocations are being considered in the TMDL.

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium
Basis										Remarks	
31	21542	5	N	COLUMBIA RIVER	NN57SG	46118A9E5	46.045	118.955	Temperature	Water	
and	Continuous monitoring data from a study by Parametrix (2002 and 2004) indicates exceedances of the numeric temperature criteria of 20°C at RM 313.4 in 2002 and 2003.										Northwest Pulp and Paper Association presented rationale a two year study performed by Parametrix (12/16/02 and 3/15/04) that temperatures higher than the 20°C numeric criteria are a natural condition and the segment meets the state water quality standard for temperature. Ecology required pulp mills on the Columbia and White/Stuck River to perform a two-year ambient water temperature monitoring study in accordance with Ecologys WQP 1-11 and quality assurance requirements. Ecology reviewed this study and
the											associated listing in 2003 for natural conditions, but has not yet made a determination of natural conditions for these rivers. EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway that may address this issue. The Parametrix study measured temperature data upstream and downstream of pulp mills along the rivers and found the mills did not have a measurable effect on temperatures (the associated discharges do not exceed 0.3 degrees). This study will be valuable for verifying that pulp mills do not contribute a significant increase in temperature when load allocations are being considered in the TMDL.
31	18801	5	N	COLUMBIA RIVER	NN57SG	45120H3A5	45.705	120.355	Total PCBs	Tissue	
EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Channel Catfish composite of 8 fillet with skin collected in 1997 at station 8-C (River Mile 233.2) sample #97500957.											
31	18802	5	N	COLUMBIA RIVER	NN57SG	45120G4J5	45.695	120.455	Total PCBs	Tissue	
EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Channel Catfish composite of 9 fillet with skin collected in 1997 at station 8-B (River Mile 228.5) sample #97500956.											
31	7967	5	N	ROCK CREEK	NF41CH	0	05N	17E	13	Temperature	Water
probably	Mattews, 1992. shows 7-day means of daily maximums of 23.7 during 1990 and 1991.										Changed from Category 4B to Category 5 on 3/24/05 because Ecology has not been able to confirm the results of implementation of items contained within the MOU. When further information becomes available, this listing will become a Category 1 or 2 based upon that data. -kk This listing was taken off the 303(d) list in the 1996 assessment based on the approved Memorandum of Agreement dated 7/9/96 between Ecology and the Eastern Klickitat Conservation District.

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information			Parameter	Remarks	Medium
32	24240	5	N	BLUE CREEK	BN32DU	0	07N 37E 26	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 26 degrees C, with a maximum daily temperature of 27.2 degrees C from continuous measurements collected in 2001 at Just above Mill Ck Rd Brg. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 26.6 degrees C, with a maximum daily temperature of 28.2 degrees C from continuous measurements collected in 2002 at Just above Mill Ck Rd Brg.										
32	24242	5	N	CALDWELL CREEK	YY09VX	0	06N 36E 37	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 23.9 degrees C, with a maximum daily temperature of 25 degrees C from continuous measurements collected in 2001 at 3rd Ave. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 23.4 degrees C, with a maximum daily temperature of 24.6 degrees C from continuous measurements collected in 2002 at 3rd Ave.										
32	24244	5	N	COLD CREEK	HV66NE	0.224	07N 35E 32	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 20 degrees C, with a maximum daily temperature of 21.1 degrees C from continuous measurements collected in 2000 at Last Chance Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 22.3 degrees C, with a maximum daily temperature of 23.1 degrees C from continuous measurements collected in 2001 at Last Chance Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 20.2 degrees C, with a maximum daily temperature of 20.9 degrees C from continuous measurements collected in 2002 at Last Chance Rd.										
32	24245	5	N	COPPEI CREEK	RT07DK	7.922	09N 37E 36	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 26 degrees C, with a maximum daily temperature of 27.7 degrees C from continuous measurements collected in 1999 at McCowan Rd. Brg. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 25.9 degrees C, with a maximum daily temperature of 26.6 degrees C from continuous measurements collected in 2000 at McCowan Rd. Brg. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 25.9 degrees C, with a maximum daily temperature of 26.8 degrees C from continuous measurements collected in 2001 at McCowan Rd. Brg. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 26.2 degrees C, with a maximum daily temperature of 27.1 degrees C from continuous measurements collected in 2002 at McCowan Rd. Brg.										
32	24246	5	N	COPPEI CREEK, N.F.	GW49AT	0	08N 38E 07	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 22.6 degrees C, with a maximum daily temperature of 24 degrees C from continuous measurements collected in 2002 at Fork Bridge.										

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
32	24247	5	N	COPPEI CREEK, N.F. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 21.6 degrees C, with a maximum daily temperature of 22.6 degrees C from continuous measurements collected in 1999 at Grain Elevators (RM 0.8) Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 21.3 degrees C, with a maximum daily temperature of 22.2 degrees C from continuous measurements collected in 2000 at Grain Elevators (RM 0.8) Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 21.3 degrees C, with a maximum daily temperature of 21.8 degrees C from continuous measurements collected in 2001 at Grain Elevators (RM 0.8)	GW49AT	1.193	08N	38E	08	Temperature	Water
32	23674	5	N	COPPEI CREEK, S.F. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 22.6 degrees C, with a maximum daily temperature of 23.9 degrees C from continuous measurements collected in 2002 at SF Coppei Rd. Brg.	SR81ZC	7.475	08N	38E	33	Temperature	Water
32	24248	5	N	COPPEI CREEK, S.F. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 21.6 degrees C, with a maximum daily temperature of 22.8 degrees C from continuous measurements collected in 1999 at Canyon Culvert (RM 3.2) Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 20.9 degrees C, with a maximum daily temperature of 21.8 degrees C from continuous measurements collected in 2000 at Canyon Culvert (RM 3.2) Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 21.6 degrees C, with a maximum daily temperature of 22.6 degrees C from continuous measurements collected in 2001 at Canyon Culvert (RM 3.2)	SR81ZC	3.692	08N	38E	20	Temperature	Water
32	23675	5	N	COTTONWOOD CREEK Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 25.7 degrees C, with a maximum daily temperature of 27.2 degrees C from continuous measurements collected in 2001 at Braden Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 20.7 degrees C, with a maximum daily temperature of 22.7 degrees C from continuous measurements collected in 2002 at Braden Rd.	HU10XJ	1.574	06N	36E	05	Temperature	Water
32	23676	5	N	COTTONWOOD CREEK Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 26 degrees C, with a maximum daily temperature of 27 degrees C from continuous measurements collected in 2001 at Hood Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 30.5 degrees C, with a maximum daily temperature of 33.2 degrees C from continuous measurements collected in 2002 at Hood Rd.	HU10XJ	7.208	06N	36E	11	Temperature	Water
32	23677	5	N	DOAN CREEK Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 20 degrees C, with a maximum daily temperature of 22.7 degrees C from continuous measurements collected in 2000 at Whitman Mission Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 20.7 degrees C, with a maximum daily temperature of 21.2 degrees C from continuous measurements collected in 2001 at Whitman Mission Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 21.8 degrees C, with a maximum daily temperature of 22.2 degrees C from continuous measurements collected in 2002 at Whitman Mission	IW37TE	0	07N	35E	38	Temperature	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
32	41337	5	N	DRY CREEK Swanson, T., (2003), station 32DRY-00.5 shows 1 sample exceeded the criterion in year 2003 and 1 sample exceeded the criterion in 2002.	OT03FJ	0	07N	34E	29	Dissolved oxygen		Water
32	41636	5	N	DRY CREEK Swanson, T., (2004), station 32DRY-00.5 shows that 2 of 3 samples (66.7%) collected in 2003 exceed the percentile criterion.	OT03FJ	0	07N	34E	29	Fecal Coliform		Water
32	23679	5	N	DRY CREEK, N.F. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 20 degrees C, with a maximum daily temperature of 21.6 degrees C from continuous measurements collected in 1999 at 0.4 mi up Scott Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 13.9 degrees C, with a maximum daily temperature of 20.9 degrees C from continuous measurements collected in 2000 at 0.4 mi up Scott Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 19.5 degrees C, with a maximum daily temperature of 20.3 degrees C from continuous measurements collected in 2001 at 0.4 mi up Scott Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 19.6 degrees C, with a maximum daily temperature of 20.7 degrees C from continuous measurements collected in 2002 at 0.4 mi up Scott Rd.	OT03FJ	52.542	07N	38E	08	Temperature		Water
32	23678	5	N	DRY CREEK, S.F. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 24.7 degrees C, with a maximum daily temperature of 26.4 degrees C from continuous measurements collected in 1999 at 0.5 mi up Biscuit Ridge Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 23.1 degrees C, with a maximum daily temperature of 24.3 degrees C from continuous measurements collected in 2000 at 0.5 mi up Biscuit Ridge Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 23.8 degrees C, with a maximum daily temperature of 24.5 degrees C from continuous measurements collected in 2001 at 0.5 mi up Biscuit Ridge Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 24.9 degrees C, with a maximum daily temperature of 26.3 degrees C from continuous measurements collected in 2002 at 0.5 mi up Biscuit Ridge Rd.	OH98HK	0.737	07N	38E	17	Temperature		Water
32	40968	5		GARRISON CREEK White et al. 1998. show excursion beyond the criterion at stations GU2 and GD2 collected in 1996.	DH35GB	0.66	06N	35E	03	4,4'-DDD		Water
32	40969	5		GARRISON CREEK White et al. 1998. show excursion beyond the criterion at stations GU2, GE1, and GD2 collected in 1996.	DH35GB	0.66	06N	35E	03	4,4'-DDE		Water
32	14386	5	N	GARRISON CREEK White et al. 1998. show excursion beyond the criterion at stations GU2 collected in 1996.	DH35GB	0.66	06N	35E	03	4,4'-DDT		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
32	41869	5	N	GARRISON CREEK Swanson, T., (2004), station 32GAR-00.5 shows a total of 8 samples in years 2002 and 2003 exceeded the chronic criterion and a total of 1 sample in year 2002 exceeded the acute criterion. White et al. 1998. show 1 excursions beyond the criterion at station GD1 collected on 19 September 1996.	DH35GB	0.66	06N	35E	03	Ammonia-N	Listing ID 12380 combined with this listing. 12/08/04 -kk	Water
32	14251	5	N	GARRISON CREEK White et al. 1998. show excursions beyond the criterion at station GU2 on 17 September 1996 and 19 September 1996.	DH35GB	0.66	06N	35E	03	Chlorine		Water
32	14287	5	N	GARRISON CREEK White et al. 1998. show excursions beyond the criterion at station GD4 on 17 September 1996 and 19 September 1996.	DH35GB	0	06N	35E	39	Chlorine		Water
32	41338	5	N	GARRISON CREEK Swanson, T., (2003), station 32GAR-00.5 shows 2 samples exceeded the criterion in year 2003 and 8 samples exceeded the criterion in 2002. White et al. 1998, shows excursions beyond the criterion from measurements collected at stations GU2, GD1 and GD2 in 1996.	DH35GB	0.66	06N	35E	03	Dissolved oxygen		Water
32	12381	5	N	GARRISON CREEK White et al. 1998. show excursions beyond both criterion at station GD4 in 1996.	DH35GB	0	06N	35E	39	Fecal Coliform		Water
32	12382	5	N	GARRISON CREEK Swanson, T., (2004), station 32GAR-00.5 shows the geometric mean of 115.3 exceeds the criterion and 3 of 8 samples (37.5%) collected in 2003 exceed the percentile criterion. Swanson, T., (2004), station 32GAR-00.5 shows the geometric mean of 360.7 exceeds the criterion and 5 of 8 samples (62.5%) collected in 2002 exceed the percentile criterion; White et al. 1998, show excursions beyond both criterion at stations GU2, GD1 and GD2 in 1996.	DH35GB	0.66	06N	35E	03	Fecal Coliform		Water
32	14389	5	N	GARRISON CREEK White et al. 1998. show 1 excursion beyond the National Toxic Rule criterion from a composite sample at station GU2 collected in 1996.	DH35GB	0.66	06N	35E	03	Hexachlorobenzene		Water
32	14176	5	N	GARRISON CREEK White et al. 1998. show the 7-day mean of daily maximum values exceed the criterion at stations GU1 and GD2 in 1996.	DH35GB	0	06N	35E	39	Temperature		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium
				Basis						Remarks	
32	14177	5	N	GARRISON CREEK	DH35GB	0.66	06N	35E	03	Temperature	Water
Swanson, T., (2003), station 32GAR-00.5 shows 9 samples exceeded the criterion in years 2002 and 2003.											
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 24.6 degrees C, with a maximum daily temperature of 26 degrees C from continuous measurements collected in 2000 at Mission Rd.											
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 26.2 degrees C, with a maximum daily temperature of 27.4 degrees C from continuous measurements collected in 2001 at Mission Rd.											
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 24 degrees C, with a maximum daily temperature of 25.7 degrees C from continuous measurements collected in 2002 at Mission Rd.											
White et al. 1998, show the 7-day mean of daily maximum values exceed the criterion at station GD4 in 1996.											
32	23685	5	N	JIM CREEK	SP57BG	0	09N	40E	30	Temperature	Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 19 degrees C, with a maximum daily temperature of 19.9 degrees C from continuous measurements collected in 1999 at 0.2 mi up Jim Ck Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 19.1 degrees C, with a maximum daily temperature of 19.9 degrees C from continuous measurements collected in 2000 at 0.2 mi up Jim Ck Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 18.9 degrees C, with a maximum daily temperature of 19.5 degrees C from continuous measurements collected in 2001 at 0.2 mi up Jim Ck Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 19.7 degrees C, with a maximum daily temperature of 20.8 degrees C from continuous measurements collected in 2002 at 0.2 mi up Jim Ck Rd.											
32	23686	5	N	LEWIS CREEK	ZH05OC	0.023	08N	40E	09	Temperature	Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 13.9 degrees C, with a maximum daily temperature of 14.7 degrees C from continuous measurements collected in 1999 at NF Touchet Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 14.3 degrees C, with a maximum daily temperature of 14.6 degrees C from continuous measurements collected in 2000 at NF Touchet Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 14.1 degrees C, with a maximum daily temperature of 14.6 degrees C from continuous measurements collected in 2001 at NF Touchet Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 16.8 degrees C, with a maximum daily temperature of 16.8 degrees C from continuous measurements collected in 2002 at NF Touchet Rd.											

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
32	23680	5	N	LITTLE WALLA WALLA RIVER, EAST	XO26DW	0	06N	35E	38	Temperature	Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 20.6 degrees C, with a maximum daily temperature of 21 degrees C from continuous measurements collected in 2000 at Springdale Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 21 degrees C, with a maximum daily temperature of 21.9 degrees C from continuous measurements collected in 2001 at Springdale Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 13.6 degrees C, with a maximum daily temperature of 14.6 degrees C from continuous measurements collected in 2002 at Springdale Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 21 degrees C, with a maximum daily temperature of 24.3 degrees C from continuous measurements collected in 2002 at RM 0.3											
32	23682	5	N	LITTLE WALLA WALLA RIVER, EAST	XO26DW	1.615	06N	35E	11	Temperature	Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 18.8 degrees C, with a maximum daily temperature of 19.3 degrees C from continuous measurements collected in 2002 at RM 0.5 on Big Spring Branch.											
32	23789	5	N	LITTLE WALLA WALLA RIVER, WEST	YA44BO	5.258	06N	35E	09	Temperature	Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 26.2 degrees C, with a maximum daily temperature of 27.7 degrees C from continuous measurements collected in 2002 at 0.6 mi up Valley Chapel Rd.											
32	23790	5	N	LITTLE WALLA WALLA RIVER, WEST	YA44BO	1.258	06N	35E	05	Temperature	Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 24.2 degrees C, with a maximum daily temperature of 27.9 degrees C from continuous measurements collected in 2001 at Above Swegle Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 28 degrees C, with a maximum daily temperature of 29.9 degrees C from continuous measurements collected in 2002 at Above Swegle Rd.											
32	41441	5	N	MILL CREEK	SS77BG	17.113	07N	36E	23	Dissolved oxygen	Water
Swanson, T., (2003), station 32MIL-11.5 shows 2 samples exceeded the criterion in year 2003 and 5 samples exceeded the criterion in year 2002. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32C110 (Mill Cr @ Tausick Way) shows 0 excursions beyond the criterion out of 9 samples collected between 1993 - 2001.											
32	41469	5	N	MILL CREEK	SS77BG	0	07N	35E	38	Dissolved oxygen	Water
Hallock (2003), Dept. of Ecology ambient station 32C070 shows a total of 2 samples in year 2003 exceeded the criterion. Swanson, T., (2003), station 32MIL-00.5 shows 1 sample exceeded the criterion in year 2002.										Changed from Category 2 to Category 5 on 01/21/05 due to consolidation with Listing ID 42524 (cat 2). -kk	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
32	41638	5	N	MILL CREEK	SS77BG	10.145	07N	36E	19	Fecal Coliform		Water
Swanson, T., (2004), station 32MIL-06.7 shows the geometric mean of 229.7 exceeds the criterion and 4 of 7 samples (57.1%) collected in 2003 exceed the percentile criterion.												
Swanson, T., (2004), station 32MIL-06.7 shows the geometric mean of 1383.8 exceeds the criterion and 8 of 8 samples (100%) collected in 2002 exceed the percentile criterion;												
Swanson, T., (2004), station 32MIL-06.9 shows that 1 of 1 samples (100%) collected in 2002 exceed the percentile criterion and that 1 of 1 samples (100%) collected in 2003 exceed the percentile criterion.												
32	41641	5	N	MILL CREEK	SS77BG	11.891	07N	36E	20	Fecal Coliform		Water
Swanson, T., (2004), station 32MIL-07.0 shows that 1 of 1 samples (100%) collected in 2003 exceed the percentile criterion.												
Swanson, T., (2004), station 32MIL-07.1 shows that 2 of 2 samples (100%) collected in 2002 exceed the percentile criterion.												
Swanson, T., (2004), station 32MIL-07.2 shows that 1 of 1 samples (100%) collected in 2003 exceed the percentile criterion.												
Swanson, T., (2004), station 32MIL-07.3 shows that 1 of 1 samples (100%) collected in 2002 exceed the percentile criterion.												
Swanson, T., (2004), station 32MIL-07.4 shows that 1 of 1 samples (100%) collected in 2002 exceed the percentile criterion.												
32	41645	5	N	MILL CREEK	SS77BG	13.732	07N	36E	21	Fecal Coliform		Water
Swanson, T., (2004), station 32MIL-08.5 shows that 2 of 2 samples (100%) collected in 2002 exceed the percentile criterion.												
32	41710	5	N	MILL CREEK	SS77BG	0	07N	35E	38	Fecal Coliform		Water
Hallock (2004), Dept. of Ecology ambient station 32C070 shows 1 of 3 samples (33.3%) in year 2002 exceeded the percentile criterion.												
Swanson, T. (2004), station 32MIL-00.5 shows the geometric mean of 362.4 exceeds the criterion and 5 of 8 samples (62.5%) collected in 2002 exceed the percentile criterion.												
32	11119	5	Y	MILL CREEK	SS77BG	17.113	07N	36E	23	pH		Water
Swanson, T., (2003), station 32MIL-11.5 shows that 5 of 22 samples exceed the criterion.											High pH	
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32C110 (Mill Cr @ Tausick Way) shows 5 excursions beyond the criterion out of 9 samples collected between 1993 - 2001.												
32	41164	5	N	MILL CREEK	SS77BG	10.145	07N	36E	19	pH		Water
Swanson, T., (2003), station 32MIL-06.7 shows that 3 of 16 samples exceed the criterion.												
32	41329	5	N	MILL CREEK	SS77BG	8.402	07N	35E	24	pH		Water
Swanson, T., (2003), station 32MIL-04.8 shows that 6 of 18 samples exceed the criterion.												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
32	23688	5	N	MILL CREEK	SS77BG	13.732	07N	36E	21	Temperature	Water
Swanson, T., (2003), station 32MIL-08.5 shows 2 samples exceeded the criterion in years 2002 and 2003.											
Swanson, T., (2003), station 32MIL-08.9 shows 1 samples exceeded the criterion in year 2002.											
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 33.1 degrees C, with a maximum daily temperature of 34.5 degrees C from continuous measurements collected in 2002 at Roosevelt.											
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 31.6 degrees C, with a maximum daily temperature of 32.9 degrees C from continuous measurements collected in 2001 at Roosevelt.											
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 27.8 degrees C, with a maximum daily temperature of 29.6 degrees C from continuous measurements collected in 2001 at Wildwood Park											
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 23.5 degrees C, with a maximum daily temperature of 28.9 degrees C from continuous measurements collected in 2001 at Clinton St.											
32	23689	5	N	MILL CREEK	SS77BG	18.352	07N	36E	37	Temperature	Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 24.3 degrees C, with a maximum daily temperature of 25.3 degrees C from continuous measurements collected in 2001 at Above Cold Return (bottom of Rooks Park) Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 25.9 degrees C, with a maximum daily temperature of 27.1 degrees C from continuous measurements collected in 2002 at Above Cold Return (bottom of Rooks Park).											
32	23690	5	Y	MILL CREEK	SS77BG	17.113	07N	36E	23	Temperature	Water
Swanson, T., (2003), station 32MIL-11.5 shows 11 samples exceeded the criterion in years 2002 and 2003.											
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 24.7 degrees C, with a maximum daily temperature of 26.7 degrees C from continuous measurements collected in 2002 at In Cold Return (bottom of Rooks Park).											
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 16.1 degrees C, with a maximum daily temperature of 21.2 degrees C from continuous measurements collected in 2001 at In Cold Return (bottom of Rooks Park).											
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 23 degrees C, with a maximum daily temperature of 23.8 degrees C from continuous measurements collected in 2001 at Below Cold Return (bottom of Rooks Park) Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 24.5 degrees C, with a maximum daily temperature of 26 degrees C from continuous measurements collected in 2002 at Below Cold Return (bottom of Rooks Park)											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32C110 (Mill Cr @ Tausick Way) shows 3 excursions beyond the criterion out of 9 samples collected between 1993 - 2001 measured on these dates: 93/07/05, 93/08/02, 93/09/06,											

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information			Parameter	Remarks	Medium
32	23761	5	N	MILL CREEK	SS77BG	0	07N 35E 38	Temperature		Water
Swanson, T., (2003), station 32MIL-00.5 shows 10 samples exceeded the criterion in years 2002 and 2003.										
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 28 degrees C, with a maximum daily temperature of 29.2 degrees C from continuous measurements collected in 2002 at Swegel Rd. Brg.										
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 25.2 degrees C, with a maximum daily temperature of 25.7 degrees C from continuous measurements collected in 2001 at Swegel Rd. Brg.										
32	23762	5	N	MILL CREEK	SS77BG	15.401	07N 36E 22	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 27.3 degrees C, with a maximum daily temperature of 28.1 degrees C from continuous measurements collected in 2001 at Tausic Way Brg. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 28.9 degrees C, with a maximum daily temperature of 31.3 degrees C from continuous measurements collected in 2002 at Tausic Way Brg.										
32	23764	5	N	MILL CREEK	SS77BG	20.609	07N 37E 37	Temperature		Water
Swanson, T., (2003), station 32MIL-12.8 shows 6 samples exceeded the criterion in years 2002 and 2003.										
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 21.4 degrees C, with a maximum daily temperature of 22.1 degrees C from continuous measurements collected in 2002 at Fivemile Rd.										
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 23.3 degrees C, with a maximum daily temperature of 24.4 degrees C from continuous measurements collected in 2001 at Fivemile Rd.										
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 23.5 degrees C, with a maximum daily temperature of 24.2 degrees C from continuous measurements collected in 2000 at Fivemile Rd.										
32	23765	5	N	MILL CREEK	SS77BG	8.309	07N 35E 23	Temperature		Water
Swanson, T., (2003), station 32COT-01.0 shows 1 samples exceeded the criterion in year 2003.										
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 28.3 degrees C, with a maximum daily temperature of 30 degrees C from continuous measurements collected in 2002 at Gose St.										
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 24.9 degrees C, with a maximum daily temperature of 26.9 degrees C from continuous measurements collected in 2001 at Gose St.										

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
32	23766	5	N	MILL CREEK	SS77BG	10.145	07N	36E	19	Temperature		Water
Swanson, T., (2003), station 32MIL-06.7 shows 8 samples exceeded the criterion in years 2002 and 2003.												
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 25.5 degrees C, with a maximum daily temperature of 27.5 degrees C from continuous measurements collected in 2002 at 9th Ave.												
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 25.8 degrees C, with a maximum daily temperature of 26.9 degrees C from continuous measurements collected in 2001 at 9th Ave.												
32	23768	5	N	MILL CREEK	SS77BG	32.221	06N	37E	02	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 20.2 degrees C, with a maximum daily temperature of 21.1 degrees C from continuous measurements collected in 2001 at Wickersham Brg. Washington												
Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 20.7 degrees C, with a maximum daily temperature of 21.6 degrees C from continuous measurements collected in 2002 at Wickersham Brg.												
32	41646	5	N	MUD CREEK	AN63IZ	0.366	07N	34E	31	Fecal Coliform		Water
Swanson, T., (2004), station 32MUD-00.5 shows that 2 of 2 samples (100%) collected in 2003 exceed the percentile criterion.												
32	23769	5	N	PINE CREEK	ZX47PC	1.528	06N	33E	01	Temperature		Water
Swanson, T., (2003), station 32PIN-01.4 shows 3 samples exceeded the criterion in years 2002 and 2003.												
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 27.9 degrees C, with a maximum daily temperature of 29.5 degrees C from continuous measurements collected in 2002 at Sand Pit Rd.												
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 28.4 degrees C, with a maximum daily temperature of 29.9 degrees C from continuous measurements collected in 2000 at Sand Pit Rd.												
32	23770	5	N	PINE CREEK	ZX47PC	4.774	06N	34E	07	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 30.1 degrees C, with a maximum daily temperature of 30.9 degrees C from continuous measurements collected in 2001 at Stateline Rd. Washington												
Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 26.3 degrees C, with a maximum daily temperature of 28.7 degrees C from continuous measurements collected in 2002 at Stateline Rd.												
32	23771	5	N	ROBINSON CREEK (FORK)	HP78FD	1.868	09N	39E	35	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 25.6 degrees C, with a maximum daily temperature of 26.3 degrees C from continuous measurements collected in 2000 at Below 2nd Brg. on Robinson Fork Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 26.6 degrees C, with a maximum daily temperature of 27 degrees C from continuous measurements collected in 2001 at Below 2nd Brg. on Robinson Fork Rd.												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
32	23772	5	N	ROBINSON CREEK (FORK) Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 17.1 degrees C, with a maximum daily temperature of 18.3 degrees C from continuous measurements collected in 1999 at RM 5.8 Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 18.2 degrees C, with a maximum daily temperature of 18.6 degrees C from continuous measurements collected in 2001 at RM 5.8	HP78FD	7.459	08N	39E	15	Temperature		Water
32	41671	5	N	RUSSELL CREEK Swanson, T., (2004), station 32RUS-00.1 shows that 2 of 2 samples (100%) collected in 2002 exceed the percentile criterion and that 2 of 3 samples (66.6%) collected in 2003 exceed the percentile criterion.	GU90FL	0.223	06N	36E	37	Fecal Coliform		Water
32	23773	5	N	RUSSELL CREEK Swanson, T., (2003), station 32YEL-00.2 shows 5 samples exceeded the criterion in years 2002 and 2003. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 21.7 degrees C, with a maximum daily temperature of 23.5 degrees C from continuous measurements collected in 2000 at Plaza Way. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 20.2 degrees C, with a maximum daily temperature of 21.1 degrees C from continuous measurements collected in 2001 at Plaza Way. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 18.5 degrees C, with a maximum daily temperature of 19.3 degrees C from continuous measurements collected in 2002 at Plaza Way.	GU90FL	0.223	06N	36E	37	Temperature		Water
32	11099	5	N	TOUCHET RIVER Swanson, T., (2003), station 32TOU-00.5 shows 1 sample exceeded the criterion in year 2002. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32B070 (Touchet R @ Touchet) shows 3 excursions beyond the criterion out of 12 samples collected between 1993 - 2001 measured on these dates: 97/07/07, 97/08/04, 97/09/08.	LV94PX	0.317	07N	33E	33	Dissolved oxygen	Changed from Category 2 to Category 5 on 01/21/05 due to consolitation with Listing ID 41351 (cat 2). -kk	Water
32	41352	5	N	TOUCHET RIVER Hallock (2003), Dept. of Ecology ambient station 32B075 shows a total of 2 samples in year 2003 exceeded the criterion. Swanson, T., (2003), station 32TOU-02.0 shows 2 samples exceeded the criterion in year 2002.	LV94PX	2.786	07N	33E	27	Dissolved oxygen	Changed from Category 2 to Category 5 on 01/21/05 due to consolidation with Listing ID 42521 (cat 2). -kk	Water
32	16784	5	N	TOUCHET RIVER Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32B100 (Touchet R @ Bolles) shows a geometric mean of 102 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 6 samples collected during 1999.	LV94PX	74.35	09N	37E	08	Fecal Coliform		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
32	16787	5	Y	TOUCHET RIVER	LV94PX	0.317	07N	33E	33	Fecal Coliform		Water
Swanson, T., (2004), station 32TOU-00.5 shows the geometric mean of 119.8 exceeds the criterion and 4 of 8 samples (50%) collected in 2002 exceed the percentile criterion and that 2 of 8 samples (25%) collected in 2003 exceed the percentile criterion.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32B070 (Touchet R. at Touchet) shows a geometric mean of 67 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 3 samples collected during 1996.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32B070 (Touchet R. at Touchet) shows a geometric mean of 100 does not exceed the criterion and that 22% of the samples exceeds the percentile criterion from 9 samples collected during 1997.												
32	41245	5	N	TOUCHET RIVER	LV94PX	62.817	09N	36E	05	Fecal Coliform		Water
Swanson, T., (2004), station 32TOU-34.2 shows the geometric mean of 106.1 exceeds the criterion and 3 of 8 samples (37.5%) collected in 2002 exceed the percentile criterion.												
32	41246	5	N	TOUCHET RIVER	LV94PX	66.316	09N	36E	03	Fecal Coliform		Water
Swanson, T., (2004), station 32TOU-36.6 shows that 2 of 2 samples (100%) collected in 2002 exceed the percentile criterion.												
32	41652	5	N	TOUCHET RIVER	LV94PX	2.786	07N	33E	27	Fecal Coliform		Water
Hallock (2004), Dept. of Ecology ambient station 32B075 shows 3 of 9 samples (33.3%) in year 2003 exceeded the percentile criterion.												
Swanson, T., (2004), station 32TOU-02.0 shows the geometric mean of 150.8 exceeds the criterion and 3 of 8 samples (37.5%) collected in 2002 exceed the percentile criterion.												
32	11096	5	N	TOUCHET RIVER	LV94PX	0.317	07N	33E	33	pH		Water
Swanson, T., (2003), station 32TOU-00.5 shows that 4 of 15 samples exceed the criterion.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32B070 (Touchet R @ Touchet) shows 0 excursions beyond the criterion out of 12 samples collected between 1993 - 2001.												
32	41177	5	N	TOUCHET RIVER	LV94PX	2.786	07N	33E	27	pH		Water
Hallock (2004), Dept. of Ecology ambient station 32B075 shows that of 12 samples none exceed the criterion.												
Swanson, T., (2003), station 32TOU-02.0 shows that 4 of 16 samples exceed the criterion.												
32	41178	5	N	TOUCHET RIVER	LV94PX	11.632	07N	33E	02	pH		Water
Swanson, T., (2003), station 32TOU-07.0 shows that 9 of 15 samples exceed the criterion.												
32	41179	5	N	TOUCHET RIVER	LV94PX	25.773	08N	33E	02	pH		Water
Swanson, T., (2003), station 32TOU-14.2 shows that 3 of 5 samples exceed the criterion.												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
32	41180	5	N	TOUCHET RIVER Swanson, T., (2003), station 32TOU-17.8 shows that 8 of 17 samples exceed the criterion.	LV94PX	32.443	09N	34E	32	pH		Water
32	41181	5	N	TOUCHET RIVER Swanson, T., (2003), station 32TOU-25.0 shows that 4 of 7 samples exceed the criterion.	LV94PX	44.592	09N	34E	02	pH		Water
32	41183	5	N	TOUCHET RIVER Swanson, T., (2003), station 32TOU-34.2 shows that 6 of 16 samples exceed the criterion.	LV94PX	62.817	09N	36E	05	pH		Water
32	41185	5	N	TOUCHET RIVER Swanson, T., (2003), station 32TOU-40.5 shows that 13 of 22 samples exceed the criterion.	LV94PX	72.252	09N	37E	07	pH		Water
32	41186	5	N	TOUCHET RIVER Swanson, T., (2003), station 32TOU-44.2 shows that 6 of 6 samples exceed the criterion.	LV94PX	80.621	09N	37E	11	pH		Water
32	41187	5	N	TOUCHET RIVER Swanson, T., (2003), station 32TOU-46.2 shows that 7 of 16 samples exceed the criterion.	LV94PX	84.294	09N	38E	07	pH		Water
32	41188	5	N	TOUCHET RIVER Swanson, T., (2003), station 32TOU-48.4 shows that 5 of 5 samples exceed the criterion.	LV94PX	88.428	09N	38E	04	pH		Water
32	41189	5	N	TOUCHET RIVER Swanson, T., (2003), station 32TOU-51.2 shows that 5 of 16 samples exceed the criterion.	LV94PX	92.077	10N	38E	35	pH		Water
32	11098	5	Y	TOUCHET RIVER Swanson, T., (2003), station 32TOU-00.5 shows 9 samples exceeded the criterion in years 2002 and 2003. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32B070 (Touchet R @ Touchet) shows 2 excursions beyond the criterion out of 12 samples collected between 1993 - 2001 measured on these dates: 97/07/07, 97/08/04.	LV94PX	0.317	07N	33E	33	Temperature	Changed from Category 2 to Category 5 on 01/20/05 due to the consolidation with Listing ID 41082 (cat 2). -kk The daily maximum excursions are for one year only and do not meet the WQ Program Policy 1-11 (updated 9/02) for showing persistent temperature impairment. Listing will be placed in waters of concern category until further study and monitoring indicates the status of the water.	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
32	23775	5	N	TOUCHET RIVER	LV94PX	2.786	07N	33E	27	Temperature		Water
Swanson, T., (2003), station 32TOU-02.0 shows 12 samples exceeded the criterion in years 2002 and 2003.												
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 28.6 degrees C, with a maximum daily temperature of 29.8 degrees C from continuous measurements collected in 2001 at Above Cummins Brg.												
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 29 degrees C, with a maximum daily temperature of 30.6 degrees C from continuous measurements collected in 2000 at Above Cummins Brg.												
32	23776	5	N	TOUCHET RIVER	LV94PX	74.35	09N	37E	08	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 23.1 degrees C, with a maximum daily temperature of 28.3 degrees C from continuous measurements collected in 1999 at Bolles Brg. on highway 124 east of Waitsburg Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 27 degrees C, with a maximum daily temperature of 27.7 degrees C from continuous measurements collected in 2000 at Bolles Brg. on highway 124 east of Waitsburg Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 27.3 degrees C, with a maximum daily temperature of 28.5 degrees C from continuous measurements collected in 2001 at Bolles Brg. on highway 124 east of Waitsburg Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 10.6 degrees C, with a maximum daily temperature of 12.2 degrees C from continuous measurements collected in 2002 at Bolles Brg. on highway 124 east of Waitsburg												
32	23777	5	N	TOUCHET RIVER	LV94PX	44.592	09N	34E	02	Temperature		Water
Swanson, T., (2003), station 32TOU-25.0 shows 4 samples exceeded the criterion in years 2002 and 2003.												
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 30.7 degrees C, with a maximum daily temperature of 31.6 degrees C from continuous measurements collected in 2001 at Lamar Rd.												
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 28.5 degrees C, with a maximum daily temperature of 29.3 degrees C from continuous measurements collected in 2000 at Lamar Rd.												
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 27.3 degrees C, with a maximum daily temperature of 28.5 degrees C from continuous measurements collected in 1999 at Lamar Rd.												
32	23778	5	N	TOUCHET RIVER	LV94PX	86.636	09N	38E	05	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 24.7 degrees C, with a maximum daily temperature of 26 degrees C from continuous measurements collected in 1999 at Lewis & Clark State Park east of Dayton Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 24.6 degrees C, with a maximum daily temperature of 25.1 degrees C from continuous measurements collected in 2000 at Lewis & Clark State Park east of Dayton Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 25.6 degrees C, with a maximum daily temperature of 26.5 degrees C from continuous measurements collected in 2001 at Lewis & Clark State Park east of Dayton Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 25.5 degrees C, with a maximum daily temperature of 26.9 degrees C from continuous measurements collected in 2002 at Lewis & Clark State Park east of Dayton												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
32	40510	5	N	TOUCHET RIVER	LV94PX	88.428	09N	38E	04	Temperature	Changed from Category 2 to Category 5 on 01/20/05 due to consolidation with Listing ID 41094 (cat 2). -kk	Water
				Swanson, T., (2003), station 32TOU-48.4 shows 2 samples exceeded the criterion in year 2002.								
				Krause et al. (2001), show excursions beyond the criterion in 1999 and 2000 at station TT 1.								
32	15917	5	N	TOUCHET RIVER	LV94PX	0.317	07N	33E	33	Turbidity		Water
				Hallock, 2002. shows 11 excursions beyond the criterion out of 12 samples collected between 1992 and 2001 derived by the difference between the upstream station 32B140 (Touchet R above Dayton) and the downstream station 32B070 (Touchet R @ Touchet).								
32	41444	5	N	TOUCHET RIVER, N.F. (E.F.)	EQ96XO	0	10N	39E	32	Dissolved oxygen		Water
				Swanson, T., (2003), station 32NFT-00.0 shows 1 sample exceeded the criterion in year 2003 and 3 samples exceeded the criterion in year 2002.								
32	23779	5	N	TOUCHET RIVER, N.F. (E.F.)	EQ96XO	1.467	09N	39E	04	Temperature		Water
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 23 degrees C, with a maximum daily temperature of 24.2 degrees C from continuous measurements collected in 1999 at 1.4 mi above Baileysburg Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 23.5 degrees C, with a maximum daily temperature of 24.1 degrees C from continuous measurements collected in 2000 at 1.4 mi above Baileysburg Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 23.5 degrees C, with a maximum daily temperature of 24.5 degrees C from continuous measurements collected in 2001 at 1.4 mi above Baileysburg Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 23.8 degrees C, with a maximum daily temperature of 24.9 degrees C from continuous measurements collected in 2002 at 1.4 mi above Baileysburg								
32	23780	5	N	TOUCHET RIVER, N.F. (E.F.)	EQ96XO	23.036	08N	40E	28	Temperature		Water
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 14.3 degrees C, with a maximum daily temperature of 15.3 degrees C from continuous measurements collected in 1999 at Mouth of Spangler Ck Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 15.4 degrees C, with a maximum daily temperature of 15.9 degrees C from continuous measurements collected in 2000 at Mouth of Spangler Ck Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 16.2 degrees C, with a maximum daily temperature of 16.4 degrees C from continuous measurements collected in 2001 at Mouth of Spangler Ck Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 16.6 degrees C, with a maximum daily temperature of 17.9 degrees C from continuous measurements collected in 2002 at Mouth of Spangler Ck								
				Umatilla National Forest unpublished data from station NFTCHTFB (NF Touchet Rvr @ FS Bdy) show a maximum 7-day mean of maximum daily tempertures of 15 degrees C and a maximum daily value of 15 degress C from measurements collected in 2001. Umatilla National Forest unpublished data from station NF Touchet Rvr @ FS Bdy (EQ96YO) show a maximum 7-day mean of maximum daily tempertures of 15 degrees C and a maximum daily value of 13.9 degress C from measurements collected in 2002.								

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
32	23781	5	N	TOUCHET RIVER, N.F. (E.F.)	EQ96XO	11.636	09N	40E	30	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 19.1 degrees C, with a maximum daily temperature of 19.9 degrees C from continuous measurements collected in 1999 at near the mouth of Jim Creek Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 19.5 degrees C, with a maximum daily temperature of 19.9 degrees C from continuous measurements collected in 2000 at near the mouth of Jim Creek Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 19.6 degrees C, with a maximum daily temperature of 20.2 degrees C from continuous measurements collected in 2001 at near the mouth of Jim Creek Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 19.4 degrees C, with a maximum daily temperature of 20.4 degrees C from continuous measurements collected in 2002 at near the mouth of Jim Creek												
32	23782	5	N	TOUCHET RIVER, S.F.	MS30PY	23.114	07N	39E	06	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 19 degrees C, with a maximum daily temperature of 19.7 degrees C from continuous measurements collected in 2001 at Below confluence of Burnt Fk and Green Fk. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 18 degrees C, with a maximum daily temperature of 19 degrees C from continuous measurements collected in 2002 at Below confluence of Burnt Fk and Green Fk.												
32	23783	5	N	TOUCHET RIVER, S.F.	MS30PY	0	10N	39E	32	Temperature		Water
Swanson, T., (2003), station 32SFT-00.0 shows 2 samples exceeded the criterion in year 2002. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 26 degrees C, with a maximum daily temperature of 27.4 degrees C from continuous measurements collected in 2002 at Gephart Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 26.1 degrees C, with a maximum daily temperature of 27.4 degrees C from continuous measurements collected in 2001 at Gephart Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 26.7 degrees C, with a maximum daily temperature of 27.1 degrees C from continuous measurements collected in 2000 at Gephart Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 25.7 degrees C, with a maximum daily temperature of 27.1 degrees C from continuous measurements collected in 1999 at Gephart Rd.												
32	8806	5	Y	WALLA WALLA RIVER	QE90PI	4.081	07N	31E	25	4,4'-DDE		Tissue
Davis et al, 1995. Excursions beyond the criterion in edible carp tissue near the mouth in 1993.												
32	14178	5	N	WALLA WALLA RIVER	QE90PI	21.034	07N	32E	35	4,4'-DDE		Tissue
Hopkins et al. 1985. show an excursion beyond the National Toxic Rule criterion in a multiple fish composite of edible tissue of Mountain sucker samples collected in 1984.												
32	41957	5	N	WALLA WALLA RIVER	QE90PI	10.671	07N	32E	21	Ammonia-N		Water
Swanson, T., (2004), station 32WAL-09.3 shows a total of 4 samples in years 2002 and 2003 exceeded the chronic criterion.												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
32	8804	5	Y	WALLA WALLA RIVER Davis et al., 1995. , excursions beyond the criterion in edible carp tissue sampled near the mouth in 1993.	QE90PI	4.081	07N	31E	25	Chlordane		Tissue
32	40970	5	N	WALLA WALLA RIVER Davis et al, 1995. Excursions beyond the criterion in edible carp tissue near mouth in 1993.	QE90PI	4.081	07N	31E	25	DDT	The parameter, "DDT" represents total DDT.	Tissue
32	8805	5	Y	WALLA WALLA RIVER Davis et al., 1995. , excursions beyond the criterion in edible carp tissue near the mouth in 1993.	QE90PI	4.081	07N	31E	25	Dieldrin		Tissue
32	11113	5	N	WALLA WALLA RIVER Hallock (2003), Dept. of Ecology ambient station 32A070 shows a total of 2 samples in year 2003 exceeded the criterion. Swanson, T. (2003), station 32WAL-15.6 shows that no samples exceeded the criterion in years, 2002 and 2003. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32A070 (WALLA WALLA RIVER NEAR TOUCHET) shows 5 excursions beyond the criterion out of 56 samples collected between 1993 - 2001 measured on these dates: 00/07/12, 00/09/13, 97/07/07, 97/08/04, 97/09/08.	QE90PI	21.034	07N	32E	35	Dissolved oxygen	Elevated from Cat 2 to Cat 5 after consolidation of duplicates on 12/14/04. -kk	Water
32	41374	5	N	WALLA WALLA RIVER Swanson, T., (2003), station 32WAL-38.7 shows 1 sample exceeded the criterion in year 2003 and 1 sample exceeded the criterion in 2002.	QE90PI	62.034	06N	35E	11	Dissolved oxygen		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	Remarks
				Basis								
met	32	16789	5	Y	WALLA WALLA RIVER	QE90PI	21.034	07N	32E	35	Fecal Coliform	Water
					Hallock (2004), Dept. of Ecology ambient station 32A070 shows 1 of 12 samples (8.3%) in year 2003 exceeded the percentile criterion.							Changed from Category 2 to Category 5 due to consolidation with Listing IDs 42636 and 41663 on 01/10/05. -kk
					Swanson, T., (2004), station 32WAL-15.6 shows that 2 of 8 samples (25%) collected in 2002 exceed the percentile criterion.							
					Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32A070 (Walla Walla R. near Touchet) shows a geometric mean of 98 does not exceed the criterion and that 11% of the samples exceeds the percentile criterion from 9 samples collected during 2001, with only 1 sample that exceeds the percentile criterion.							This waterbody segment was listed on the 1998 303(d) list based on an inadequate assessment of the annual ambient monitoring data. In 9 years of data collection, only 1 year (1996) exceeded the criteria for listing. Criteria for showing persistent impairment for bacteria in Policy 1-11 has been
					Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32A070 (Walla Walla R. near Touchet) shows a geometric mean of 64 does not exceed the criterion							
					and that 0% of the samples does not exceed the percentile criterion from 13 samples collected during 2000.							in the past 5 years of data collections. Listing will be placed on the waters of concern list until further monitoring verifies the water continues to meet criteria.
					Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32A070 (Walla Walla R. near Touchet) shows a geometric mean of 60 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 13 samples collected during 1999.							
					Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32A070 (Walla Walla R. near Touchet) shows a geometric mean of 82 does not exceed the criterion and that 6% of the samples does not exceed the percentile criterion from 16 samples collected during 1998.							
					Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32A070 (Walla Walla R. near Touchet) shows a geometric mean of 72 does not exceed the criterion and that 7% of the samples does not exceed the percentile criterion from 15 samples collected during 1997.							
					Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32A070 (Walla Walla R. near Touchet) shows a geometric mean of 131 exceeds the criterion and that 17% of the samples exceeds the percentile criterion from 6 samples collected during 1996, with only 1 sample that exceeds the percentile criterion.							
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32A070 (Walla Walla R. near Touchet) shows a geometric mean of 73 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 7 samples collected during 1995.								
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32A070 (Walla Walla R. near Touchet) shows a geometric mean of 54 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 11 samples collected during 1994.								
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32A070 (Walla Walla R. near Touchet) shows a geometric mean of 48 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 9 samples collected during 1993.								
32	41666	5	N	WALLA WALLA RIVER	QE90PI	52.902	07N	35E	31	Fecal Coliform	Water	
				Swanson, T., (2004), station 32WAL-32.8 shows the geometric mean of 119.0 exceeds the criterion and 2 of 5 samples (40%) collected in 2002 exceed the percentile criterion.								
32	41668	5	N	WALLA WALLA RIVER	QE90PI	56.159	06N	35E	05	Fecal Coliform	Water	
				Swanson, T., (2004), station 32WAL-35.2 shows that 2 of 3 samples (66.7%) collected in 2002 exceed the percentile criterion.								
32	41713	5	N	WALLA WALLA RIVER	QE90PI	31.84	06N	33E	03	Fecal Coliform	Water	
				Swanson, T., (2004), station 32WAL-22.7 shows that 3 of 7 samples (42.9%) collected in 2002 exceed the percentile criterion.								

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
32	8808	5	Y	WALLA WALLA RIVER Davis et al. 1995. excursions beyond the criterion in edible carp tissue near the mouth in 1993.	QE90PI	4.081	07N	31E	25	Heptachlor epoxide		Tissue
32	8809	5	Y	WALLA WALLA RIVER Davis et al, 1995. , excursions beyond the criterion in edible carp tissue collected near the mouth in 1993.	QE90PI	2.371	07N	31E	26	Hexachlorobenzene		Tissue
32	41191	5	N	WALLA WALLA RIVER Fischnaller, S., (2003), station Walla02 shows that 0 of 1 sample exceed the criterion. Swanson, T., (2003), station 32WAL-09.3 shows that 7 of 26 samples exceed the criterion.	QE90PI	10.671	07N	32E	21	pH		Water
32	6589	5	Y	WALLA WALLA RIVER Swanson, T., (2003), station 32WAL-15.6 shows 9 samples exceeded the criterion in years 2002 and 2003. be Dept. of Ecology unpublished data from core ambient monitoring station 32A070 (Walla Walla R. near Touchet) shows a 7-day mean of daily maximum values of 27.6 for mid-week 13 August 2001. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32A070 (WALLA WALLA RIVER NEAR TOUCHET) shows 12 excursions beyond the criterion out of 56 samples collected between 1993 - 2001.	QE90PI	21.034	07N	32E	35	Temperature	The "on 98 List?" flag was changed from N to Y on 12/21/04. Review of EPA comment and 1998 List shows the listing to present on the 1998 List.	Water
32	23784	5	N	WALLA WALLA RIVER Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 25.9 degrees C, with a maximum daily temperature of 26.9 degrees C from continuous measurements collected in 1999 at Swegel Rd. Brg. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 24.8 degrees C, with a maximum daily temperature of 25.7 degrees C from continuous measurements collected in 2000 at Swegel Rd. Brg. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 24.4 degrees C, with a maximum daily temperature of 25.1 degrees C from continuous measurements collected in 2001 at Swegel Rd. Brg. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 24.7 degrees C, with a maximum daily temperature of 26 degrees C from continuous measurements collected in 2002 at Swegel Rd. Brg.	QE90PI	56.86	06N	35E	04	Temperature		Water
32	23785	5	N	WALLA WALLA RIVER Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 28 degrees C, with a maximum daily temperature of 28.5 degrees C from continuous measurements collected in 2000 at Above McDonald Rd. Brg. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 24.6 degrees C, with a maximum daily temperature of 26 degrees C from continuous measurements collected in 2001 at Above McDonald Rd. Brg. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 28.3 degrees C, with a maximum daily temperature of 29.7 degrees C from continuous measurements collected in 2002 at Above McDonald Rd. Brg.	QE90PI	47.196	07N	34E	34	Temperature		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
32	23786	5	N	WALLA WALLA RIVER	QE90PI	58.187	06N	35E	39	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 26 degrees C, with a maximum daily temperature of 26.7 degrees C from continuous measurements collected in 1999 at Below Mojonnier Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 24.3 degrees C, with a maximum daily temperature of 25.2 degrees C from continuous measurements collected in 2000 at Below Mojonnier Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 24 degrees C, with a maximum daily temperature of 24.8 degrees C from continuous measurements collected in 2001 at Below Mojonnier Rd.												
32	23787	5	N	WALLA WALLA RIVER	QE90PI	64.03	06N	35E	13	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 25.1 degrees C, with a maximum daily temperature of 26 degrees C from continuous measurements collected in 1999 at Pepper Rd. Brg. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 24.1 degrees C, with a maximum daily temperature of 24.7 degrees C from continuous measurements collected in 2000 at Pepper Rd. Brg. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 23.8 degrees C, with a maximum daily temperature of 24.7 degrees C from continuous measurements collected in 2001 at Pepper Rd. Brg. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 23.9 degrees C, with a maximum daily temperature of 24.5 degrees C from continuous measurements collected in 2002 at Pepper Rd. Brg.												
32	23788	5	N	WALLA WALLA RIVER	QE90PI	31.84	06N	33E	03	Temperature		Water
Swanson, T., (2003), station 32WAL-22.7 shows 6 samples exceeded the criterion in years 2002 and 2003.												
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 27.8 degrees C, with a maximum daily temperature of 30.1 degrees C from continuous measurements collected in 2002 at Touchet/Gardena Rd. Brg.												
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 26.6 degrees C, with a maximum daily temperature of 28 degrees C from continuous measurements collected in 2001 at Touchet/Gardena Rd. Brg.												
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 27.5 degrees C, with a maximum daily temperature of 28.2 degrees C from continuous measurements collected in 2000 at Touchet/Gardena Rd. Brg.												
32	8810	5	Y	WALLA WALLA RIVER	QE90PI	2.371	07N	31E	26	Total PCBs		Tissue
Davis et al, 1995. excursions beyond the criterion in edible carp tissue collected near the mouth in 1993.												
32	23792	5	N	WHISKEY CREEK	OP00ZN	0.123	09N	38E	07	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 23.6 degrees C, with a maximum daily temperature of 25.3 degrees C from continuous measurements collected in 2001 at Just above mouth Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 21.8 degrees C, with a maximum daily temperature of 23 degrees C from continuous measurements collected in 2002 just above mouth.												

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
32	23794	5	N	WOLF CREEK (FORK)	XM92BG	7.401	09N	39E	36	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 16.9 degrees C, with a maximum daily temperature of 17.9 degrees C from continuous measurements collected in 1999 at 2nd Brg up Wolf Fork Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 17.3 degrees C, with a maximum daily temperature of 17.7 degrees C from continuous measurements collected in 2000 at 2nd Brg up Wolf Fork Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 17 degrees C, with a maximum daily temperature of 20.7 degrees C from continuous measurements collected in 2001 at 2nd Brg up Wolf Fork Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 17.6 degrees C, with a maximum daily temperature of 18.3 degrees C from continuous measurements collected in 2002 at 2nd Brg up Wolf Fork Rd.												
32	41649	5	N	YELLOWHAWK CREEK	RK92TG	5.81	06N	36E	37	Fecal Coliform		Water
Swanson, T., (2004), station 32YEL-00.2 shows the geometric mean of 169.7 exceeds the criterion and 2 of 8 samples (25%) collected in 2002 exceed the percentile criterion. Swanson, T., (2004), station 32YEL-00.2 shows the geometric mean of 172.6 exceeds the criterion and 5 of 8 samples (62.5%) collected in 2003 exceed the percentile criterion.												
32	23797	5	N	YELLOWHAWK CREEK	RK92TG	12.525	07N	36E	23	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 26.9 degrees C, with a maximum daily temperature of 27.7 degrees C from continuous measurements collected in 2000 at Just below Yellowhawk Diversion Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 25.1 degrees C, with a maximum daily temperature of 26.3 degrees C from continuous measurements collected in 2001 at Just below Yellowhawk Diversion Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 27.5 degrees C, with a maximum daily temperature of 29.3 degrees C from continuous measurements collected in 2002 at Just below Yellowhawk Diversion												
32	23798	5	N	YELLOWHAWK CREEK	RK92TG	0	06N	35E	38	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 23 degrees C, with a maximum daily temperature of 24.2 degrees C from continuous measurements collected in 2000 at 0.1 miles above mouth Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 23.1 degrees C, with a maximum daily temperature of 23.6 degrees C from continuous measurements collected in 2001 at 0.1 miles above mouth Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 23.6 degrees C, with a maximum daily temperature of 25.2 degrees C from continuous measurements collected in 2002 at 0.1 miles above mouth												
33	8753	5	N	SNAKE RIVER	YB86JO	14.472	09N	31E	24	4,4'-DDE		Tissue
Davis and Serdar, 1996. excursions beyond the criterion in edible fish tissue of catfish during 1994.												
33	8754	5	N	SNAKE RIVER	YB86JO	14.472	09N	31E	24	Chlordane		Tissue
Davis and Serdar, 1996. excursions beyond the criterion in edible fish tissue of catfish during 1994.												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
33	8752	5	N	SNAKE RIVER Davis and Serdar, 1996. excursions beyond the criterion in edible fish tissue of catfish during 1994.	YB86JO	14.472	09N	31E	24	Dieldrin		Tissue
33	16885	5	N	SNAKE RIVER U.S. Army Corps of Engineers unpublished data at station Ice Harbor 18 show excursions beyond the criterion from Hydrolab measurements collected in 1994, 1995, 1996 &1997.	YB86JO	24.792	09N	32E	02	Dissolved oxygen		Water
33	16894	5	N	SNAKE RIVER U.S. Army Corps of Engineers unpublished data at station Little Goose 83 show excursions beyond the criterion from Hydrolab measurements collected in 1994, 1995, 1996 &1997.	YB86JO	129.27 3	13N	40E	08	Dissolved oxygen		Water
33	6302	5	N	SNAKE RIVER U.S. Army Corp of Engineers (2001) station LMNW (Lower Monumental Tailwater) shows 48 days exceeding the criterion in 2000. U.S. Army Corps of Engineers unpublished data at station Lower Monumental 40 show excursions beyond the criterion from Hydrolab measurements collected in 1997.	YB86JO	63.254	12N	34E	03	Temperature		Water
33	6303	5	Y	SNAKE RIVER U.S. Army Corp of Engineers (2001) station LMN (Lower Monumental Forebay) shows 57 days exceeding the criterion in 2000.	YB86JO	65.729	13N	34E	34	Temperature		Water
33	6304	5	Y	SNAKE RIVER U.S. Army Corp of Engineers (2001) station IHR (Ice Harbor Forebay) shows 61 days exceeding the criterion in 2000.	YB86JO	14.472	09N	31E	24	Temperature	TRS was 09N-32E-19 on 1998 list. -kk	Water
33	6305	5	N	SNAKE RIVER U.S. Army Corp of Engineers (2001) station IDSW (Ice Harbor Tailwater) shows 58 days exceeding the criterion in 2000.	YB86JO	7.934	09N	31E	29	Temperature		Water
33	8096	5	Y	SNAKE RIVER 4 excursions beyond the criterion at USGS station 13353200 (at Burbank) during 1990, 1991, 1993, and 1994.	YB86JO	1.364	08N	30E	02	Temperature		Water
33	11123	5	N	SNAKE RIVER Hallock (2001) Dept. of Ecology Ambient Monitoring Station 33A050 (SNAKE RIVER NEAR PASCO) shows 7 excursions beyond the criterion out of 60 samples collected between 1993 - 2001 measured on these dates: 00/08/09, 94/08/08, 95/07/10, 95/08/14, 96/07/16, 96/08/11, 97/08/13,	YB86JO	2.799	09N	30E	35	Temperature		Water
33	16887	5	N	SNAKE RIVER U.S. Army Corps of Engineers unpublished data at station Ice Harbor 18 show excursions beyond the criterion from Hydrolab measurements collected in 1994, 1995, 1996 &1997.	YB86JO	24.792	09N	32E	02	Temperature		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
Project	33	16896	5	N	SNAKE RIVER	YB86JO	129.27 3	13N	40E	08	Temperature	Water
					U.S. Army Corps of Engineers unpublished data at station Little Goose 83 show excursions beyond the criterion from Hydrolab measurements collected in 1994, 1996 &1997.							
	33	8755	5	N	SNAKE RIVER	YB86JO	14.472	09N	31E	24	Total PCBs	Tissue
					Davis and Serdar, 1996 , excursions beyond the criterion in edible fish tissue of catfish during 1994.							
	33	6366	5	N	SNAKE RIVER	YB86JO	09N	31E	24	Total Phosphorus	Water	
					Completed Phase I Federal Clean Lakes Restoration Project in 1976- Problems Encountered: Blue-green algae, high turbidity, low dissolved oxygen, aquatic macrophytes, sediment phosphorus recycling, storm water, low transparency, fecal coliform bacteria.							
											Changed from WRIA 25 to 33. 12/03/04 -kk	
											Completed Phase II Federal Clean Lakes Restoration	
											in 1987:Gibbs, et al. 1987.Control measures implemented based on the Phase I Study - sediment removal/dredging, dilution/flushing, diversion, structural storm water controls, aquatic macrophyte harvesting, public education.	
	34	40643	5	N	COW CREEK	OW46XT	72.664	20N	37E	12	Dissolved oxygen	Water
					Adams Conservation District unpublished data (submitted by Chad Atkins on 13 May 2003) at the station called 'Sprague Outlet' show excursions beyond the criterion in 1997-2002.							
	34	40644	5	N	COW CREEK	OW46XT	18.953	16N	37E	09	Dissolved oxygen	Water
					Adams Conservation District unpublished data (submitted by Chad Atkins on 13 May 2003) at the station called 'Clinesmith Bridge' show excursions beyond the criterion in 1997-2002.							
	34	40645	5	N	COW CREEK	OW46XT	58.253	19N	37E	16	Dissolved oxygen	Water
					Adams Conservation District unpublished data (submitted by Chad Atkins on 13 May 2003) at the station called 'Cow / Hallen' show excursions beyond the criterion in 1997-2002.							
	34	40646	5	N	COW CREEK	OW46XT	48.564	19N	36E	35	Dissolved oxygen	Water
					Adams Conservation District unpublished data (submitted by Chad Atkins on 13 May 2003) at the station called 'Fennel Lake' show excursions beyond the criterion in 1997-2002.							
	34	40647	5	N	COW CREEK	OW46XT	0.904	15N	37E	26	Dissolved oxygen	Water
					Adams Conservation District unpublished data (submitted by Chad Atkins on 13 May 2003) at the station called 'Hooper Cow' show excursions beyond the criterion in 1997-2002.							

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
34	40648	5	N	COW CREEK Adams Conservation District unpublished data (submitted by Chad Atkins on 13 May 2003) at the station called 'Benge/Ralston' show excursions beyond the criterion in 1997-2002.	OW46XT	27.727	17N	36E	13	Dissolved oxygen		Water
34	40649	5	N	COW CREEK Adams Conservation District unpublished data (submitted by Chad Atkins on 13 May 2003) at the station called 'Harder Bridge' show excursions beyond the criterion in 1997-2002.	OW46XT	41.48	18N	36E	14	Dissolved oxygen		Water
34	40662	5	N	COW CREEK Adams Conservation District unpublished data (submitted by Chad Atkins on 13 May 2003) at the station called 'Harder Bridge' show a geometric mean of 142 cfu/100mL from 6 samples collected in 2003	OW46XT	41.48	18N	36E	14	Fecal Coliform		Water
34	40634	5	N	COW CREEK Adams Conservation District unpublished data (submitted by Chad Atkins on 13 May 2003) at the station called 'Sprague Outlet' show excursions beyond the criterion in 1997-2002.	OW46XT	72.664	20N	37E	12	Temperature		Water
34	40635	5	N	COW CREEK Adams Conservation District unpublished data (submitted by Chad Atkins on 13 May 2003) at the station called 'Clinesmith Bridge' show excursions beyond the criterion in 1997-2002.	OW46XT	18.953	16N	37E	09	Temperature		Water
34	40636	5	N	COW CREEK Adams Conservation District unpublished data (submitted by Chad Atkins on 13 May 2003) at the station called 'Cow / Hallen' show excursions beyond the criterion in 1997-2002.	OW46XT	58.253	19N	37E	16	Temperature		Water
34	40637	5	N	COW CREEK Adams Conservation District unpublished data (submitted by Chad Atkins on 13 May 2003) at the station called 'Fennel Lake' show excursions beyond the criterion in 1997-2002.	OW46XT	48.564	19N	36E	35	Temperature		Water
34	40638	5	N	COW CREEK Adams Conservation District unpublished data (submitted by Chad Atkins on 13 May 2003) at the station called 'Hooper Cow' show excursions beyond the criterion in 1997-2002.	OW46XT	0.904	15N	37E	26	Temperature		Water
34	40639	5	N	COW CREEK Adams Conservation District unpublished data (submitted by Chad Atkins on 13 May 2003) at the station called 'Benge/Ralston' show excursions beyond the criterion in 1997-2002.	OW46XT	27.727	17N	36E	13	Temperature		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
34	40640	5	N	COW CREEK	OW46XT	41.48	18N	36E	14	Temperature		Water
				Adams Conservation District unpublished data (submitted by Chad Atkins on 13 May 2003) at the station called 'Harder Bridge' show excursions beyond the criterion in 1997-2002.								
34	6355	5	Y	MEDICAL LAKE	492YVP	24N	41E	19		Total Phosphorus		Water
				Completed Phase I Clean Lakes Restoration Project in 1977 - Problems Encountered: Blue-green algae, hypolimnetic anoxia, sediment phosphorus recycling, low transparency.								
				Completed Phase II Clean Lakes Restoration Project in1980:Gasperino, et al. 1980.Control measures implemented								
				based on the Phase I Study - hypolimnetic aeration, Phosphorus precipitation/inactivation.								
34	6713	5	Y	MISSOURI FLAT CREEK	YU73RJ	0.002	14N	45E	05	Fecal Coliform		Water
				Joy, 1987, 2 excursions beyond the upper criterion at the mouth on 9/16/87 and 9/17/87.								
34	8819	5	Y	PALOUSE RIVER	NX00WG	75.039	17N	40E	20	4,4'-DDE		Tissue
				Davis and Serdar, 1996. excursions beyond the criterion in edible squawfish tissue at RM 40.8 in 1994.								
34	14190	5	N	PALOUSE RIVER	NX00WG	29.009	15N	37E	26	4,4'-DDE		Tissue
				Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple fish composite of edible tissue of Largenose sucker and Northern squawfish samples collected in 1984.								
34	14191	5	N	PALOUSE RIVER	NX00WG	29.009	15N	37E	26	ALPHA-BHC		Tissue
				Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple fish composite of edible tissue of Largenose sucker and Northern squawfish samples collected in 1984.								
34	8818	5	Y	PALOUSE RIVER	NX00WG	75.039	17N	40E	20	Dieldrin		Tissue
				Davis and Serdar, 1996. excursions beyond the criterion in edible squawfish tissue at RM 40.8 in 1994.								
34	11133	5	Y	PALOUSE RIVER	NX00WG	189.62 2	16N	46E	06	Dissolved oxygen		Water
				Hallock (2003), Dept. of Ecology ambient station 34A170 shows a total of 1 sample in year 2003 exceeded the criterion.								
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34A170 (PALOUSE RIVER AT PALOUSE) shows 10 excursions beyond the criterion out of 58 samples collected between 1993 - 2001 measured on these dates: 94/07/06, 94/08/02, 94/09/06, 95/06/05, 95/07/10, 95/08/07, 95/09/05, 96/07/08, 96/08/05, 96/09/03.								

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
34	16791	5	Y	PALOUSE RIVER	NX00WG	29.009	15N	37E	26	Fecal Coliform		Water
Hallock (2004), Dept. of Ecology ambient station 34A070 shows 1 of 12 samples (8.3%) in year 2002 exceeded the percentile criterion and 1 of 12 samples (8.3%) in year 2003 exceeded the percentile criterion.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34A070 (Palouse R. at Hooper) shows a geometric mean of 15 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 8 samples collected during 2001.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34A070 (Palouse R. at Hooper) shows a geometric mean of 25 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 13 samples collected during 2000.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34A070 (Palouse R. at Hooper) shows a geometric mean of 23 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 13 samples collected during 1999.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34A070 (Palouse R. at Hooper) shows a geometric mean of 50 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 13 samples collected during 1998.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34A070 (Palouse R. at Hooper) shows a geometric mean of 77 does not exceed the criterion and that 8% of the samples does not exceed the percentile criterion from 12 samples collected during 1997.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34A070 (Palouse R. at Hooper) shows a geometric mean of 18 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 4 samples collected during 1996.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34A070 (Palouse R. at Hooper) shows a geometric mean of 42 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 11 samples collected during 1995.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34A070 (Palouse R. at Hooper) shows a geometric mean of 67 does not exceed the criterion and that 20% of the samples exceeds the percentile criterion from 10 samples collected during 1994.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34A070 (Palouse R. at Hooper) shows a geometric mean of 38 does not exceed the criterion and that 9% of the samples does not exceed the percentile criterion from 11 samples collected during 1993.												
34	8822	5	Y	PALOUSE RIVER	NX00WG	75.039	17N	40E	20	Heptachlor epoxide		Tissue
Davis and Serdar, 1996 , excursions beyond the criterion in edible squawfish tissue in1994.												
34	6732	5	Y	PALOUSE RIVER	NX00WG	29.009	15N	37E	26	pH		Water
Hallock (2004), Dept. of Ecology ambient station 34A070 shows that 9 of 32 samples exceed the criterion.											High pH	
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34A070 (PALOUSE RIVER AT HOOPER) shows 22 excursions beyond the criterion out of 59 samples collected between 1993 - 2001.												
U.S.Geological Survey data from NWIS database station 13351000 (at Hooper) shows 55 excursions beyond the criterion out of 250 samples collected between 1992 and 2001.												

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	Remarks
				Basis								
34	6710	5	Y	PALOUSE RIVER, S.F. Hallock (2004), Dept. of Ecology ambient station 34B110 shows a geometric mean of 150.2 exceeded the criterion in year 2002 and a geometric mean of 140.3 exceeded the criterion in year 2003; 7 of 12 samples (58.3%) in year 2002 exceeded the percentile criteria. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34B110 (Palouse R. S.F. at Pullman) shows a geometric mean of 114 exceeds the criterion and that 38% of the samples exceeds the percentile criterion from 8 samples collected during 2001. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34B110 (Palouse R. S.F. at Pullman) shows a geometric mean of 91 does not exceed the criterion and that 33% of the samples exceeds the percentile criterion from 12 samples collected during 2000. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34B110 (Palouse R. S.F. at Pullman) shows a geometric mean of 253 exceeds the criterion and that 58% of the samples exceeds the percentile criterion from 12 samples collected during 1999. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34B110 (Palouse R. S.F. at Pullman) shows a geometric mean of 224 exceeds the criterion and that 42% of the samples exceeds the percentile criterion from 12 samples collected during 1998. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34B110 (Palouse R. S.F. at Pullman) shows a geometric mean of 183 exceeds the criterion and that 45% of the samples exceeds the percentile criterion from 11 samples collected during 1997. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34B110 (Palouse R. S.F. at Pullman) shows a geometric mean of 516 exceeds the criterion and that 100% of the samples exceeds the percentile criterion from 6 samples collected during 1996. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34B110 (Palouse R. S.F. at Pullman) shows a geometric mean of 565 exceeds the criterion and that 73% of the samples exceeds the percentile criterion from 11 samples collected during 1995. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34B110 (Palouse R. S.F. at Pullman) shows a geometric mean of 295 exceeds the criterion and that 67% of the samples exceeds the percentile criterion from 3 samples collected during 1994. Joy, 1987, 2 excursions beyond the upper criterion at RM 21.4 on 9/16/87 and 9/17/87.	ZX82FM	33.484	14N	45E	06	Fecal Coliform	Water	Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.
34	6711	5	Y	PALOUSE RIVER, S.F. Joy, 1987, 2 excursions beyond the upper criterion at RM 22.9, 22.5, and 22.4 on 9/16/87 and 9/17/87. Pelletier, 1993. station MFC3 (MISSOURI FLAT CREEK SAMPLING SITE) shows a geometric mean of 1011 cfu/100mL with 100% exceeding the percentile criterion out of 5 samples collected during 1991.	ZX82FM	34.334	14N	45E	05	Fecal Coliform	Water	Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.
34	6712	5	Y	PALOUSE RIVER, S.F. Joy, 1987, 2 excursions beyond the upper criterion at RM 23.5 on 9/16/87 and 9/17/87. Pelletier, 1993. station SF1 (S.F. PALOUSE SAMPLING SITE #1) shows a geometric mean of 238 cfu/100mL with 67% exceeding the percentile criterion out of 6 samples collected during 1991.	ZX82FM	36.577	14N	45E	08	Fecal Coliform	Water	Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.
34	10448	5	Y	PALOUSE RIVER, S.F. Pelletier, 1993. station SF4 (S.F. PALOUSE SAMPLING SITE #4) shows a geometric mean of 501 cfu/100mL with 100% exceeding the percentile criterion out of 6 samples collected during 1991.	ZX82FM	30.942	15N	44E	36	Fecal Coliform	Water	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
34	10450	5	Y	PALOUSE RIVER, S.F. Pelletier, 1993. station SF6 (S.F. PALOUSE SAMPLING SITE #6) shows a geometric mean of 125 cfu/100mL with 60% exceeding the percentile criterion out of 5 samples collected during 1991. Pelletier, 1993. station SF7 (S.F. PALOUSE SAMPLING SITE #7) shows a geometric mean of 168 cfu/100mL with 60% exceeding the percentile criterion out of 5 samples collected during 1991.	ZX82FM	22.237	15N	44E	15	Fecal Coliform		Water
34	10452	5	Y	PALOUSE RIVER, S.F. Pelletier, 1993. station SF8 (S.F. PALOUSE SAMPLING SITE #8) shows a geometric mean of 111 cfu/100mL with 60% exceeding the percentile criterion out of 5 samples collected during 1991.	ZX82FM	20.462	15N	44E	10	Fecal Coliform		Water
34	6729	5	Y	PALOUSE RIVER, S.F. U.S.Geological Survey data from NWIS database station 13346000 (near Colfax) shows 21 excursions beyond the criterion out of 51 samples collected between 1992 and 1995. U.S.Geological Survey data from NWIS database station 13349200 (at Colfax) shows 33 excursions beyond the criterion out of 95 samples collected between 1992 and 1995.	ZX82FM	0.523	16N	43E	14	pH	High pH	Water
34	3724	5	N	PALOUSE RIVER, S.F. Dept. of Ecology unpublished data from core ambient monitoring station 34B110 (Palouse R. S.F. at Pullman) shows a 7-day mean of daily maximum values of 22.2 for mid-week 13 July 2001. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34B110 (SF PALOUSE RIVER AT PULLMAN) shows 3 excursions beyond the criterion out of 40 samples collected between 1993 - 2001.	ZX82FM	33.484	14N	45E	06	Temperature		Water
34	8130	5	Y	PALOUSE RIVER, S.F. 14 excursions beyond the criterion at USGS station 13349200 (at Colfax) between 1993, 1994 and 1995.	ZX82FM	2.815	16N	43E	13	Temperature		Water
34	8825	5	Y	PARADISE CREEK Pelletier, 1993. Excursions beyond the chronic criterion at RM 6.4 (Idaho State Boundary) during 7/25/91 and 10/1/91.	YO22BZ	9.581	14N	46E	05	Ammonia-N		Water
34	8826	5	Y	PARADISE CREEK Pelletier, 1993, excursions beyond the chronic criterion at RM 3.4 during 7/24/91 and 7/25/91	YO22BZ	5.619	14N	45E	01	Ammonia-N		Water
34	10439	5	Y	PARADISE CREEK Pelletier, 1993. station APC (AIRPORT CREEK SAMPLING SITE) shows a geometric mean of 74 cfu/100mL with 60% exceeding the percentile criterion out of 5 samples collected during 1991.	YO22BZ	0.399	14N	45E	04	Fecal Coliform		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	Remarks
				Basis								
34	10441	5	Y	PARADISE CREEK	YO22BZ	9.581	14N	46E	05	Fecal Coliform	Water	
				Pelletier, 1993. station PC1 (PARADISE CREEK SAMPLING SITE #1) shows a geometric mean of 196 cfu/100mL with 80% exceeding the percentile criterion out of 5 samples collected during 1991.								
34	10442	5	Y	PARADISE CREEK	YO22BZ	5.619	14N	45E	01	Fecal Coliform	Water	
				Pelletier, 1993. station PC2 (PARADISE CREEK SAMPLING SITE #2) shows a geometric mean of 482 cfu/100mL with 100% exceeding the percentile criterion out of 5 samples collected during 1991.								
34	10443	5	Y	PARADISE CREEK	YO22BZ	2.065	14N	45E	03	Fecal Coliform	Water	
				Pelletier, 1993. station PC3 (PARADISE CREEK SAMPLING SITE #3) shows a geometric mean of 549 cfu/100mL with 100% exceeding the percentile criterion out of 5 samples collected during 1991.								
34	10444	5	Y	PARADISE CREEK	YO22BZ	0	14N	45E	05	Fecal Coliform	Water	
				Pelletier, 1993. station PC4 (PARADISE CREEK SAMPLING SITE #4) shows a geometric mean of 406 cfu/100mL with 80% exceeding the percentile criterion out of 5 samples collected during 1991.								
34	42792	5	N	PLEASENT VALLEY CREEK	ZU38EN	1.867	19N	41E	34	Fecal Coliform	Water	
				Hallock (2004), Dept. of Ecology ambient station 34H070 shows 2 of 9 samples (22.2%) in year 2002 exceeded the percentile criterion.								
34	42803	5	N	PLEASENT VALLEY CREEK	ZU38EN	1.867	19N	41E	34	pH	Water	
				Hallock (2004), Dept. of Ecology ambient station 34H070 shows that 4 of 12 samples exceed the criterion.								
34	8150	5	Y	REBEL FLAT CREEK	MT96QP	0	17N	40E	29	Dissolved oxygen	Water	
				3 excursions beyond the criterion at USGS station 13349320 (at Winona) in 1993 and 1994.								TRS was 117N-40E-29 on 1998 list. -kk
												During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments. Based on a review of monitoring studies for
												statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues
												be impaired. (Braley, ECY/WQP, 2003)
34	6714	5	Y	REBEL FLAT CREEK	MT96QP	6.707	17N	40E	25	Fecal Coliform	Water	
				Willms and Kendra, 1990, excursions beyond the criterion at RM 5.4 on 10/11/88 and 10/12/88.								Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
34	6715	5	Y	REBEL FLAT CREEK Willms and Kendra, 1990, excursions beyond the criterion at RM 5.9 on 10/11/88 and 10/12/88.; Willms and Kendra, 1990, excursions beyond the criterion at RM 6.0 on 10/11/88 and 10/12/88.; Willms and Kendra, 1990, excursions beyond the criterion at RM 6.	MT96QP	9.686	17N	41E	31	Fecal Coliform		Water
											Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.	
34	6716	5	Y	REBEL FLAT CREEK Willms and Kendra, 1990, excursions beyond the criterion at RM 7.7 on 10/11/88 and 10/12/88.	MT96QP	12.795	17N	41E	33	Fecal Coliform		Water
											Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.	
34	42431	5	N	SILVER LAKE Seiders, 2004. shows the National Toxics Rule criterion was exceeded in Brown trout fillet samples collected 9/19/2003.	492YVP	24N	41E	19		2,3,7,8-TCDD		Tissue
34	42412	5	N	SILVER LAKE Seiders, 2004. shows fillet samples of Brown trout collected in 2003 exceeded the National Toxics Rule criterion for Total PCBs.	492YVP	24N	41E	19		Total PCBs		Tissue
34	42405	5	N	SPRAGUE LAKE Seiders, 2004. shows the National Toxics Rule criterion was exceeded in Rainbow trout, Walleye, and Channel Catfish fillet samples collected 10/22/2003 and 10/23/2003.	788YYQ	47118C0F6	47.255		118.065	2,3,7,8-TCDD		Tissue
34	42386	5	N	SPRAGUE LAKE Seiders, 2004. shows fillet samples of Channel Catfish collected in 2003 exceeded the National Toxics Rule criterion for Total PCBs.	788YYQ	47118C0F6	47.255		118.065	Total PCBs		Tissue
35	18841	5	N	ALKALI FLAT CREEK Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 31.7 degrees C, with a maximum daily temperature of 34.4 degrees C from continuous measurements collected in 2002 at Below Long Hollow Rd. Brg.	OI59CE	3.586	13N	38E	18	Temperature		Water
35	18842	5	N	ALKALI FLAT CREEK Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 23.4 degrees C, with a maximum daily temperature of 24.6 degrees C from continuous measurements collected in 2002 at bottom of Rock Spring Gulch	OI59CE	11.29	14N	38E	34	Temperature		Water
35	18843	5	N	ALKALI FLAT CREEK Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 23.5 degrees C, with a maximum daily temperature of 24.8 degrees C from continuous measurements collected in 2002 at Below Beacon Rd. Brg.	OI59CE	21.534	14N	39E	21	Temperature		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
35	20357	5	N	ALMOTA CREEK Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 19.2 degrees C, with a maximum daily temperature of 20.7 degrees C from continuous measurements collected in 2002 at just below Lafollett Rd. Culvert (RM 8.0)	SA33EC	11.409	14N	43E	24	Temperature		Water
35	20358	5	N	ALMOTA CREEK Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 23 degrees C, with a maximum daily temperature of 24.5 degrees C from continuous measurements collected in 2002 at ~0.1 miles above lowest culvert Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 23.6 degrees C, with a maximum daily temperature of 24 degrees C from continuous measurements collected in 2001 at ~0.1 miles above lowest culvert	SA33EC	2.62	14N	43E	17	Temperature		Water
35	40556	5	N	ALPOWA CREEK Washington State University (2001) show excursions beyond the geometric mean criterion in 1999 and 2000 at station ALP 1 (SR 12 at Wilson Banner ranch).	EU09ED	3.126	11N	44E	25	Fecal Coliform		Water
35	40557	5	N	ALPOWA CREEK Washington State University (2001) show excursions beyond the geometric mean criterion in 1999 and 2000 at station ALP 2 (SR 12 at Flerchinger's).	EU09ED	11.279	11N	44E	17	Fecal Coliform		Water
35	40558	5	N	ALPOWA CREEK Washington State University (2001) show excursions beyond the geometric mean criterion in 1999 and 2000 at station ALP 3 (SR 12 at Landkammer's).	EU09ED	17.329	11N	43E	26	Fecal Coliform		Water
35	16795	5	Y	ASOTIN CREEK Hallock (2004), Dept. of Ecology ambient station 35D070 shows 1 of 9 samples (11.1%) in year 2002 exceeded the percentile criterion. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35D070 (Asotin Creek at Asotin) shows a geometric mean of 26 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 9 samples collected during 1997. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35D070 (Asotin Creek at Asotin) shows a geometric mean of 20 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 3 samples collected during 1996. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35D070 (Asotin Creek at Asotin) shows a geometric mean of 149 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 9 samples collected during 1993.	KP78KL	0	10N	46E	16	Fecal Coliform	TRS was 10N-26E-20 on 1998 list. -kk	Water
35	13851	5	N	ASOTIN CREEK Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner on 26 November 2002) shows a 7-day mean of daily maximum values of 24.5 for the week ending 13 July 2001 at the station called ' Mainstem Asotin - City Park'. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35D070 (Asotin Cr @ Asotin) shows 1 excursions beyond the criterion out of 21 samples collected between 1993 - 2001 measured on these dates: 97/08/04,	KP78KL	0	10N	46E	16	Temperature		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
35	13852	5	N	ASOTIN CREEK	KP78KL	4.593	10N	45E	24	Temperature		Water
Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner on 26 November 2002) shows a 7-day mean of daily maximum values of 24.1 for the week ending 4 August 2000 at the station called ' Mainstem Asotin Above George Creek'.												
35	13854	5	N	ASOTIN CREEK	KP78KL	12.35	10N	45E	20	Temperature		Water
Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner on 26 November 2002) shows a 7-day mean of daily maximum values of 23.6 for the week ending 4 August 2000 at the station called ' Mainstem Asotin - HeadGate Park'.												
35	13860	5	N	ASOTIN CREEK	KP78KL	20.883	09N	44E	03	Temperature		Water
Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner on 26 November 2002) shows a 7-day mean of daily maximum values of 21.7 for the week ending 4 August 2000 at the station called ' Mainstem Asotin Below Charley Creek'.												
35	13863	5	N	ASOTIN CREEK	KP78KL	23.006	09N	44E	10	Temperature		Water
Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner on 26 November 2002) shows a 7-day mean of daily maximum values of 20.6 for the week ending 14 July 2001 at the station called ' NF/SF Confluence Bridge'.												
35	13985	5	N	ASOTIN CREEK, N.F.	NP96OC	7.791	09N	43E	25	Temperature		Water
Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner on 26 November 2002) shows a 7-day mean of daily maximum values of 18.3 for the week ending 18 July 2002 at the station called ' NF Asotin - End of Road'.												
35	13986	5	N	ASOTIN CREEK, N.F.	NP96OC	14.232	08N	43E	04	Temperature		Water
Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner on 26 November 2002) shows a 7-day mean of daily maximum values of 17.3 for the week ending 6 August 2000 at the station called ' NF Asotin Creek - FS Fence Line'.												
35	22425	5	N	ASOTIN CREEK, N.F.	NP96OC	0.97	09N	44E	16	Temperature		Water
Umatilla National Forest unpublished data from station NFAS@LCK (NF Asotin Cr @ Lick Cr) show a maximum 7-day mean of maximum daily tempertures of 19.4 degrees C and a maximum daily value of 20 degress C from measurements collected in 2001. Umatilla National Forest unpublished data from station NF Asotin Cr @ Lick Cr (NP96OC) show a maximum 7-day mean of maximum daily tempertures of 20 degrees C and a maximum daily value of 19.4 degress C from measurements collected in 2002.												
35	13858	5	N	ASOTIN CREEK, S.F.	SS80KO	0	09N	44E	10	Temperature		Water
Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner on 26 November 2002) shows a 7-day mean of daily maximum values of 22.5 for the week ending 6 August 2000 at the station called ' SF Asotin Creek Mouth'.												
35	22426	5	N	ASOTIN CREEK, S.F.	SS80KO	13.09	08N	44E	18	Temperature		Water
Umatilla National Forest unpublished data from station SFASO@FB (SF Asotin Cr @ FS Bdy / Sheriff Gulch) show a maximum 7-day mean of maximum daily tempertures of 16.1 degrees C and a maximum daily value of 16.1 degress C from measurements collected in 2001.												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
35	13862	5	N	CHARLEY CREEK	RX42NZ	0	09N	44E	03	Temperature		Water
Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner on 26 November 2002) shows a 7-day mean of daily maximum values of 21.6 for the week ending 3 August 2000 at the station called ' Charley Creek Culvert/Bridge'.												
35	22427	5	N	CHARLEY CREEK	RX42NZ	17.026	09N	42E	13	Temperature		Water
Umatilla National Forest unpublished data from station CHARLEY_ (Charley Cr - along 4206 Rd) show a maximum 7-day mean of maximum daily tempertures of 14.4 degrees C and a maximum daily value of 15 degress C from measurements collected in 2001. Umatilla National Forest unpublished data from station Charley Cr - along 4206 Rd (RX42NZ) show a maximum 7-day mean of maximum daily tempertures of 15 degrees C and a maximum daily value of 16.1 degress C from measurements collected in 2002.												
Umatilla National Forest unpublished data from station Charley Cr - along Rd 4206.060 (RX42NZ) show a maximum 7-day mean of maximum daily tempertures of degrees C and a maximum daily value of 17.2 degress C from measurements collected in 2002.												
35	29318	5	N	COUSE CREEK	SV96TE	0	08N	47E	06	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 21.4 degrees C, with a maximum daily temperature of 22.1 degrees C from continuous measurements collected in 2002 at Above Snake River Rd. Brg. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 21.1 degrees C, with a maximum daily temperature of 23.4 degrees C from continuous measurements collected in 2001 at 0.1 mi above Snake R. Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 21.6 degrees C, with a maximum daily temperature of 22.2 degrees C from continuous measurements collected in 2000 at 0.1 mi above Snake R. Rd.												
35	29320	5	N	COUSE CREEK	SV96TE	7.21	08N	46E	22	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 21.3 degrees C, with a maximum daily temperature of 22.6 degrees C from continuous measurements collected in 2001 at 0.5 mi above Hoskins Gulch (RM 5.7) Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 23.3 degrees C, with a maximum daily temperature of 24.8 degrees C from continuous measurements collected in 2000 at 0.5 mi above Hoskins Gulch (RM 5.7)												
35	22432	5	N	CUMMINGS CREEK	BG41HE	0	10N	41E	21	Temperature		Water
Umatilla National Forest unpublished data from station CUMMG@MT (Cummings Creek @ Mouth) show a maximum 7-day mean of maximum daily tempertures of 18.9 degrees C and a maximum daily value of 18.9 degress C from measurements collected in 2001. Umatilla National Forest unpublished data from station Cummings Creek @ Mouth (BG41HE) show a maximum 7-day mean of maximum daily tempertures of 18.9 degrees C and a maximum daily value of 18.3 degress C from measurements collected in 2002.												
35	40553	5	N	DEADMAN CREEK	GN97JI	3.241	13N	40E	14	Fecal Coliform		Water
Washington State University (2001) show excursions beyond the geometric mean criterion in 1999 and 2000 at station LD (below confluence of Willow Gulch).												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
35	18827	5	N	DEADMAN CREEK Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 24.3 degrees C, with a maximum daily temperature of 25.6 degrees C from continuous measurements collected in 2001 at Klaveano Ford (RM 1.4)	GN97JI	1.547	13N	40E	15	Temperature		Water
35	18828	5	N	DEADMAN CREEK Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 20.1 degrees C, with a maximum daily temperature of 21.6 degrees C from continuous measurements collected in 2002 at Wild Horse Hill Rd. Brg. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 20.7 degrees C, with a maximum daily temperature of 21.8 degrees C from continuous measurements collected in 2001 at Wild Horse Hill Rd. Brg.	GN97JI	15.861	13N	41E	13	Temperature		Water
35	18829	5	N	DEADMAN CREEK Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 24.5 degrees C, with a maximum daily temperature of 26.3 degrees C from continuous measurements collected in 2002 at Willow Gulch Rd.	GN97JI	3.241	13N	40E	14	Temperature		Water
35	40555	5	N	DEADMAN CREEK, N.F. Washington State University (2001) show excursions beyond the geometric mean criterion in 2000 and 2001 at station ND (Upstream of confluence with South Deadman Creek).	XW61JA	0.555	13N	42E	20	Fecal Coliform		Water
35	40554	5	N	DEADMAN CREEK, S.F. Washington State University (2001) show excursions beyond the geometric mean criterion in 2000 at station SD (Upstream of confluence with Lower Deadman Creek).	IU77IQ	1.215	13N	42E	29	Fecal Coliform		Water
35	40534	5	N	DEADMAN CREEK, S.F. Washington State University (2001) show excursions beyond the criterion in 1999, 2000, and 2001 at station SD (Upstream of confluence with Lower Deadman Creek).	IU77IQ	1.215	13N	42E	29	Temperature		Water
35	20352	5	N	GEORGE CREEK Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 20.9 degrees C, with a maximum daily temperature of 23.1 degrees C from continuous measurements collected in 2002 at Trent Grade Culvert Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 17.3 degrees C, with a maximum daily temperature of 18 degrees C from continuous measurements collected in 2001 at Trent Grade Culvert Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 17.5 degrees C, with a maximum daily temperature of 18.8 degrees C from continuous measurements collected in 2000 at Trent Grade Culvert	TC82JH	2.078	10N	45E	36	Temperature		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
35	22429	5	N	GEORGE CREEK	TC82JH	30.455	08N	44E	28	Temperature		Water
Umatilla National Forest unpublished data from station GEORG@FB (George Cr @ FS Bdy) show a maximum 7-day mean of maximum daily tempertures of 17.2 degrees C and a maximum daily value of 17.8 degress C from measurements collected in 2001. Umatilla National Forest unpublished data from station George Cr @ FS Bdy (TC82JH) show a maximum 7-day mean of maximum daily tempertures of 17.8 degrees C and a maximum daily value of 15 degress C from measurements collected in 2002.												
35	29321	5	N	GEORGE CREEK	TC82JH	0.33	10N	45E	25	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 23.6 degrees C, with a maximum daily temperature of 24.5 degrees C from continuous measurements collected in 2002 at Below Rockpile Gulch Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 25.5 degrees C, with a maximum daily temperature of 25.9 degrees C from continuous measurements collected in 2001 at Below Rockpile Gulch Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 21.7 degrees C, with a maximum daily temperature of 22.3 degrees C from continuous measurements collected in 2000 at Below Rockpile Gulch												
35	22430	5	N	LICK CREEK	OV73QV	8.878	09N	43E	15	Temperature		Water
Umatilla National Forest unpublished data from station LICK@FB_ (Lick Cr near FS Bdy) show a maximum 7-day mean of maximum daily tempertures of 16.7 degrees C and a maximum daily value of 17.8 degress C from measurements collected in 2001.												
35	20359	5	N	LITTLE ALMOTA CREEK	RL33QB	1.978	14N	42E	01	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 25.7 degrees C, with a maximum daily temperature of 28.4 degrees C from continuous measurements collected in 2002 at Above lowest culvert Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 26.4 degrees C, with a maximum daily temperature of 26.8 degrees C from continuous measurements collected in 2001 at Above lowest culvert												
35	20360	5	N	LITTLE ALMOTA CREEK	RL33QB	6.584	15N	43E	33	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 21.4 degrees C, with a maximum daily temperature of 22 degrees C from continuous measurements collected in 2001 at Below Culvert on Benedict/Jenkins Rd.												
35	18830	5	N	MEADOW CREEK	FQ09UK	0	13N	40E	15	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 22.3 degrees C, with a maximum daily temperature of 23.5 degrees C from continuous measurements collected in 2002 at Above farmhouse Brg. (RM 0.4) Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 21.6 degrees C, with a maximum daily temperature of 22.4 degrees C from continuous measurements collected in 2001 at Above farmhouse Brg. (RM 0.4)												

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
35	18831	5	N	MEADOW CREEK	FQ09UK	6.67	13N	40E	36	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 21.2 degrees C, with a maximum daily temperature of 21.5 degrees C from continuous measurements collected in 2001 at At stream ford (RM 5.6)												
35	22431	5	N	MENATCHEE CREEK	SJ34XS	0	06N	43E	12	Temperature		Water
Umatilla National Forest unpublished data from station WENATCMT (Menatchee Cr @ mouth) show a maximum 7-day mean of maximum daily tempertures of 18.3 degrees C and a maximum daily value of 18.9 degress C from measurements collected in 2001. Umatilla National Forest unpublished data from station Menatchee Cr @ mouth (SJ34XS) show a maximum 7-day mean of maximum daily tempertures of 18.9 degrees C and a maximum daily value of 18.3 degress C from measurements collected in 2002.												
35	29317	5	N	MILL CREEK	AA13WD	3.321	08N	46E	19	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 20.4 degrees C, with a maximum daily temperature of 21.6 degrees C from continuous measurements collected in 2000 at Mill Creek Rd. culvert												
35	10455	5	Y	PATAHA CREEK	BT00LT	33.704	12N	41E	35	Fecal Coliform		Water
Cusimano, 1992. Samples collected at stations, RM 21.8 and RM 22.9 show that 2 of 5 samples (40%) exceeded percentile criterion in 1991.											Two samples collected at station RM 21.8 and three	
samples											collected at station RM 22.9 were assessed together	
because											they occur in the same waterbody segment.	
35	16797	5	N	PATAHA CREEK	BT00LT	9.929	12N	39E	02	Fecal Coliform		Water
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35F070 (Pataha Ck @ Archer Rd) shows a geometric mean of 59 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 2 samples collected during 1996.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35F070 (Pataha Ck @ Archer Rd) shows a geometric mean of 128 exceeds the criterion and that 50% of the samples exceeds the percentile criterion from 8 samples collected during 1997.												
35	40548	5	N	PATAHA CREEK	BT00LT	0.619	12N	39E	19	Fecal Coliform		Water
Washington State University (2001) show excursions beyond the geometric mean criterion in 1999 at station PAT 1 (SR 261 @ Delaney).												
35	40549	5	N	PATAHA CREEK	BT00LT	15.227	12N	40E	17	Fecal Coliform		Water
Washington State University (2001) show excursions beyond the geometric mean criterion in 1999 and 2000 at station PAT 2 (SR 12 at Dodge Junction).												
35	40550	5	N	PATAHA CREEK	BT00LT	28.095	11N	41E	05	Fecal Coliform		Water
Washington State University (2001) show excursions beyond the geometric mean criterion in 1999 and 2000 at station PAT 3 (SR12 at Marengo Road Bridge).												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
35	40551	5	N	PATAHA CREEK Washington State University (2001) show excursions beyond the geometric mean criterion in 1999 and 2000 at station PAT 4 (Upstream of Sweeney Gulch confluence).	BT00LT	49.336	11N	43E	07	Fecal Coliform		Water
35	42532	5	N	PATAHA CREEK Hallock (2004), Dept. of Ecology ambient station 35F110 shows 2 of 9 samples (22.2%) in year 2002 exceeded the percentile criterion. Data collected by Umatilla National Forest (submitted by Jeff Blackwood on 10/29/97) show 1 high value from 4 samples collected at RM 40 on the same day) on 10/14/97.	BT00LT	63.608	10N	42E	09	Fecal Coliform		Water
35	11141	5	N	PATAHA CREEK Hallock (2004), Dept. of Ecology ambient station 35F070 shows that of 2 samples none exceed the criterion. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35F070 (Pataha Ck @ Archer Rd) shows 4 excursions beyond the criterion out of 12 samples collected between 1993 - 2001.	BT00LT	9.929	12N	39E	02	pH	High pH	Water
35	13847	5	N	PATAHA CREEK Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner on 26 November 2002) shows a 7-day mean of daily maximum values of 27.4 for the week ending 16 July 2002 at the station called ' Pataha Creek - Mouth'.	BT00LT	0	12N	38E	24	Temperature		Water
35	22436	5	N	PATAHA CREEK Umatilla National Forest unpublished data from station Pataha CR @ FS Bdy (BT00LT) show a maximum 7-day mean of maximum daily tempertures of degrees C and a maximum daily value of 16.7 degress C from measurements collected in 2002.	BT00LT	73.427	09N	42E	02	Temperature		Water
35	22437	5	N	PATAHA CREEK Umatilla National Forest unpublished data from station PTHA@POM (Pataha Cr @ FS Office in Pomeroy) show a maximum 7-day mean of maximum daily tempertures of 20.6 degrees C and a maximum daily value of 21.7 degress C from measurements collected in 2001. Umatilla National Forest unpublished data from station Pataha Cr @ FS Office in Pomeroy (BT00LT) show a maximum 7-day mean of maximum daily tempertures of 21.7 degrees C and a maximum daily value of 21.7 degress C from measurements collected in 2002.	BT00LT	35.381	12N	41E	36	Temperature		Water
35	40528	5	N	PATAHA CREEK Washington State University (2001) show excursions beyond the criterion in 1999, 2000, and 2001 at station PAT 1 (SR 261 @ Delaney).	BT00LT	0.619	12N	39E	19	Temperature		Water
35	40529	5	N	PATAHA CREEK Washington State University (2001) show excursions beyond the criterion in 1999, 2000, and 2001 at station PAT 2 (SR 12 at Dodge Junction).	BT00LT	15.227	12N	40E	17	Temperature		Water
35	40530	5	N	PATAHA CREEK Washington State University (2001) show excursions beyond the criterion in 1999, 2000, and 2001 at station PAT 3 (SR12 at Marengo Road Bridge).	BT00LT	28.095	11N	41E	05	Temperature		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
35	40531	5	N	PATAHA CREEK Washington State University (2001) show excursions beyond the criterion in 1999, 2000, and 2001 at station PAT 4 (Upstream of Sweeney Gulch confluence).	BT00LT	49.336	11N	43E	07	Temperature		Water
35	18839	5	N	PENAWAWA CREEK Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 26.1 degrees C, with a maximum daily temperature of 27.5 degrees C from continuous measurements collected in 2002 at 0.4 miles above mouth	TG21GN	0.592	14N	41E	08	Temperature		Water
35	18840	5	N	PENAWAWA CREEK Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 26.3 degrees C, with a maximum daily temperature of 27.8 degrees C from continuous measurements collected in 2002 at Above Getz-A-Seaver Rd. Brg.	TG21GN	8.919	15N	41E	36	Temperature		Water
35	20354	5	N	PINTLER CREEK Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 23.4 degrees C, with a maximum daily temperature of 24.4 degrees C from continuous measurements collected in 2000 at 0.9 mi below Nims Gulch	ZS85EI	10.401	09N	45E	27	Temperature		Water
35	19017	5	N	SNAKE RIVER EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Largescale Sucker composite of 6 fillet with skin collected in 1998 at station 13-C (River Mile 128.2) sample #98184128.	YB86JO	201.02 3	11N	45E	07	4,4'-DDE		Tissue
35	19018	5	N	SNAKE RIVER EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Largescale Sucker composite of 6 fillet with skin collected in 1998 at station 13-D (River Mile 131) sample #98184129. EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Largescale Sucker composite of 6 fillet with skin collected in 1998 at station 13-D (River Mile 131) sample #98184130.	YB86JO	206.74 6	11N	45E	21	4,4'-DDE		Tissue
35	16903	5	N	SNAKE RIVER U.S. Army Corps of Engineers unpublished data at station Lower Granite 108 show excursions beyond the criterion from Hydrolab measurements collected in 1994, 1995, 1996 &1997.	YB86JO	170.26 6	14N	43E	33	Dissolved oxygen		Water
35	16906	5	N	SNAKE RIVER U.S. Army Corps of Engineers unpublished data at station Lower Granite 118 show excursions beyond the criterion from Hydrolab measurements collected in 1994, 1995 &1997.	YB86JO	185.55 9	13N	44E	33	Dissolved oxygen		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
35	16927	5	N	SNAKE RIVER U.S. Army Corps of Engineers unpublished data at station Snake 140 show excursions beyond the criterion from Hydrolab measurements collected in 1994, 1995 &1997. Falter, 1990. shows excursions beyond the criterion at RM 140 in 1988. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35A150 (SNAKE RIVER AT INTERSTATE BRIDGE) shows 0 excursions beyond the criterion out of 60 samples collected between 1993 - 2001	YB86JO	219.2	11N	46E	21	Dissolved oxygen		Water
35	11155	5	N	SNAKE RIVER Hallock (2004), Dept. of Ecology ambient station 35A150 shows that 6 of 31 samples exceed the criterion. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35A150 (SNAKE RIVER AT INTERSTATE BRIDGE) shows 2 excursions beyond the criterion out of 59 samples collected between 1993 - 2001. Falter, 1990, shows no excursions beyond the criterion out of 11 measurements collected at RM 140 in 1988 and 1989. U.S. Army Corps of Engineers unpublished data at station Snake 140 show 24 excursions beyond the criterion out of 779 Hydrolab measurements collected in 1994-1997.	YB86JO	219.2	11N	46E	21	pH	Changed from Category 2 to Category 5 on 01/18/05 due to consolidation with Listing ID 42804. -kk	Water
35	15173	5	N	SNAKE RIVER National Marine Fisheries Service unpublished data measured at Centennial Island show 34 excursions beyond the criterion out of 249 hydrolab measurements collected during 1994. Falter, 1990. shows 1 excursion beyond the criterion out of 11 measurements collected at RM 120 in 1988 and 1989. U.S. Army Corps of Engineers unpublished data at station Centennial Island show 35 excursions beyond the criterion out of 519 Hydrolab measurements collected in 1994-1995.	YB86JO	187.94	12N	44E	02	pH	High pH	Water
35	15174	5	N	SNAKE RIVER National Marine Fisheries Service unpublished data measured at Centennial Island show 54 excursions beyond the criterion out of 235 hydrolab measurements collected during 1994. U.S. Army Corps of Engineers unpublished data at station Silcott Island show 73 excursions beyond the criterion out of 517 Hydrolab measurements collected in 1994-1995.	YB86JO	206.74 6	11N	45E	21	pH	High pH	Water
35	15175	5	N	SNAKE RIVER National Marine Fisheries Service unpublished data measured at Centennial Island show 59 excursions beyond the criterion out of 250 hydrolab measurements collected during 1994. U.S. Army Corps of Engineers unpublished data at station Offield show 63 excursions beyond the criterion out of 520 Hydrolab measurements collected in 1994-1995.	YB86JO	173.27 1	13N	43E	03	pH	High pH	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
35	16931	5	N	SNAKE RIVER U.S. Army Corps of Engineers unpublished data at station Snake 148 show 43 excursions beyond the criterion out of 97 Hydrolab measurements collected in 1997.	YB86JO	231.09	10N	46E	22	pH		Water
35	6306	5	Y	SNAKE RIVER US Army Corps of Engineers (2002a) station LGNW (Lower Granite Tailwater) shows a 7-day mean of daily maximum value of 20.6 deg. C in 2002. US Army Corps of Engineers (2002a) station LGNW (Anatone) shows 79 days (out of 182) exceeding the criterion in 2001.	YB86JO	169.03 5	14N	43E	32	Temperature		Water
35	6307	5	Y	SNAKE RIVER U.S. Army Corp of Engineers (2001) station LGSW (Little Goose Tailwater) shows 30 days exceeding the criterion in 2000. U.S. Army Corp of Engineers (2001) station LGS (Little Goose Forebay) shows 51 days exceeding the criterion in 2000.	YB86JO	110.41 2	13N	38E	27	Temperature		Water
35	8285	5	Y	SNAKE RIVER 2 excursions beyond the criterion at USGS station 13334300 (near Anatone) during 1990 and 1992. US Army Corps of Engineers (2002a) station ANQW (Anatone) shows 79 days (out of 182) exceeding the criterion in 2000.	YB86JO	262.34 3	07N	47E	07	Temperature		Water
35	16905	5	N	SNAKE RIVER U.S. Army Corps of Engineers unpublished data at station Lower Granite 108 show excursions beyond the criterion from Hydrolab measurements collected in 1994, 1996 &1997.	YB86JO	170.26 6	14N	43E	33	Temperature		Water
35	16911	5	N	SNAKE RIVER U.S. Army Corps of Engineers unpublished data at station Lower Granite 129 show excursions beyond the criterion from Hydrolab measurements collected in 1994, 1996 &1997.	YB86JO	202.90 5	11N	45E	18	Temperature		Water
35	16929	5	Y	SNAKE RIVER U.S. Army Corps of Engineers unpublished data at station Snake 140 show excursions beyond the criterion from Hydrolab measurements collected in 1994, 1995, 1996, and 1997. Falter, 1990. shows excursions beyond the criterion at RM 140 in 1988 and 1989. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35A150 (SNAKE RIVER AT INTERSTATE BRIDGE) shows 7 excursions beyond the criterion out of 60 samples collected between 1993 - 2001 measured on these dates: 93/08/02, 94/08/01, 94/09/05, 95/09/04, 96/08/04, 96/09/02, 97/08/04,	YB86JO	219.2	11N	46E	21	Temperature	TRS was 11N-46E-46E on 1998 list. -kk	Water
35	19120	5	N	SNAKE RIVER EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Largescale Sucker composite of 6 fillet with skin collected in 1998 at station 13-C (River Mile 128.2) sample #98184128.	YB86JO	201.02 3	11N	45E	07	Total PCBs		Tissue

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
35	19121	5	N	SNAKE RIVER	YB86JO	206.74 6	11N	45E	21	Total PCBs		Tissue
EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Largescale Sucker composite of 6 fillet with skin collected in 1998 at station 13-D (River Mile 131) sample #98184129.												
EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Largescale Sucker composite of 6 fillet with skin collected in 1998 at station 13-D (River Mile 131) sample #98184130.												
35	18833	5	N	STEPTOE CREEK	PJ02YW	1.458	11N	45E	05	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 24.8 degrees C, with a maximum daily temperature of 26.6 degrees C from continuous measurements collected in 2001 at At First Culvert												
35	18834	5	N	STEPTOE CREEK	PJ02YW	3.755	12N	45E	33	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 20.3 degrees C, with a maximum daily temperature of 21.7 degrees C from continuous measurements collected in 2002 at 0.2 mi below second culvert												
35	18835	5	N	TENMILE CREEK	IK96EU	0	10N	46E	36	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 23.5 degrees C, with a maximum daily temperature of 24.5 degrees C from continuous measurements collected in 2002 at Above Snake River Rd. Brg.												
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 22.8 degrees C, with a maximum daily temperature of 23.8 degrees C from continuous measurements collected in 2001 at Above Snake River Rd. Brg.												
35	18836	5	N	TENMILE CREEK	IK96EU	8.572	09N	46E	27	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 18.7 degrees C, with a maximum daily temperature of 19.1 degrees C from continuous measurements collected in 2001 at RM 6.1												
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 17.9 degrees C, with a maximum daily temperature of 20.1 degrees C from continuous measurements collected in 2002 at RM 5.4												
35	20355	5	N	TENMILE CREEK	IK96EU	0.729	09N	46E	02	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 24.2 degrees C, with a maximum daily temperature of 25.3 degrees C from continuous measurements collected in 2000 at 2nd Brg.												
35	20356	5	N	TENMILE CREEK	IK96EU	14.072	08N	46E	09	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 25.5 degrees C, with a maximum daily temperature of 26.2 degrees C from continuous measurements collected in 2000 at 1.5 miles below Mill Ck mouth												

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
35	16800	5	N	TUCANNON RIVER	KL66VJ	3.051	12N	37E	11	Fecal Coliform		Water
Hallock (2004), Dept. of Ecology ambient station 35B060 shows 1 of 4 samples (25%) in year 2001 exceeded the percentile criterion and 1 of 12 samples (8.3%) in year 2003 exceeded the percentile criterion.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35B060 (Tucannon R. at Powers) shows a geometric mean of 69 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 9 samples collected during 2001.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35B060 (Tucannon R. at Powers) shows a geometric mean of 26 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 2000.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35B060 (Tucannon R. at Powers) shows a geometric mean of 46 does not exceed the criterion and that 8% of the samples does not exceed the percentile criterion from 12 samples collected during 1999.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35B060 (Tucannon R. at Powers) shows a geometric mean of 105 exceeds the criterion and that 18% of the samples exceeds the percentile criterion from 11 samples collected during 1998.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35B060 (Tucannon R. at Powers) shows a geometric mean of 43 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 1997.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35B060 (Tucannon R. at Powers) shows a geometric mean of 18 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 3 samples collected during 1996.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35B060 (Tucannon R. at Powers) shows a geometric mean of 36 does not exceed the criterion and that 9% of the samples does not exceed the percentile criterion from 11 samples collected during 1995.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35B060 (Tucannon R. at Powers) shows a geometric mean of 86 does not exceed the criterion and that 33% of the samples exceeds the percentile criterion from 3 samples collected during 1994.												
35	11144	5	N	TUCANNON RIVER	KL66VJ	3.051	12N	37E	11	pH		Water
Hallock (2004), Dept. of Ecology ambient station 35B060 shows that 1 of 33 samples exceed the criterion.											High pH	
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35B060 (TUANNON RIVER AT POWERS) shows 11 excursions beyond the criterion out of 40 samples collected between 1993 - 2001.												
35	11148	5	N	TUCANNON RIVER	KL66VJ	40.089	11N	40E	13	pH		Water
Hallock (2004), Dept. of Ecology ambient station 35B150 shows that of 2 samples none exceed the criterion.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35B150 (Tucannon R nr Marengo) shows 3 excursions beyond the criterion out of 12 samples collected between 1993 - 2001.												
35	16934	5	N	TUCANNON RIVER	KL66VJ	2.518	12N	37E	10	pH		Water
U.S. Army Corps of Engineers unpublished data at station Tucannon 1 show 4 excursions beyond the criterion out of 8 Hydrolab measurements collected in 1997.												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
35	3725	5	Y	TUCANNON RIVER Dept. of Ecology unpublished data from core ambient monitoring station 35B060 (Tucannon R. at Powers) shows a 7-day mean of daily maximum values of 26 for mid-week 13 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35B060 (TUANNON RIVER AT POWERS) shows 11 excursions beyond the criterion out of 40 samples collected between 1993 - 2001	KL66VJ	3.051	12N	37E	11	Temperature		Water
35	13848	5	N	TUCANNON RIVER Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner on 26 November 2002) shows a 7-day mean of daily maximum values of 25.9 for the week ending 14 July 2001 at the station called ' Tucannon River - Smolt Trap (HW261)'.	KL66VJ	0	12N	37E	03	Temperature		Water
35	13849	5	N	TUCANNON RIVER Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner on 26 November 2002) shows a 7-day mean of daily maximum values of 25.5 for the week ending 17 July 2002 at the station called ' Tucannon River - Smth Hollow RD'.	KL66VJ	11.71	12N	38E	21	Temperature		Water
35	13850	5	N	TUCANNON RIVER Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner on 26 November 2002) shows a 7-day mean of daily maximum values of 25.3 for the week ending 16 August 2001 at the station called ' Tucannon River - HWY 12 Bridge'.	KL66VJ	21.465	12N	39E	29	Temperature		Water
35	13853	5	N	TUCANNON RIVER Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner on 26 November 2002) shows a 7-day mean of daily maximum values of 24 for the week ending 3 August 2000 at the station called ' Tucannon River - Enrich RD'.	KL66VJ	27.451	11N	39E	02	Temperature		Water
35	13855	5	N	TUCANNON RIVER Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner on 26 November 2002) shows a 7-day mean of daily maximum values of 23.4 for the week ending 16 August 2001 at the station called ' Tucannon River - King Grade RD'.	KL66VJ	34.548	11N	40E	09	Temperature		Water
35	13856	5	N	TUCANNON RIVER Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner on 26 November 2002) shows a 7-day mean of daily maximum values of 22.9 for the week ending 4 August 2000 at the station called ' Tucannon River - Marengo Bridge'. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35B150 (Tucannon R nr Marengo) shows 2 excursions beyond the criterion out of 12 samples collected between 1993 - 2001 measured on these dates: 97/07/06, 97/08/03,	KL66VJ	40.089	11N	40E	13	Temperature		Water
35	13857	5	N	TUCANNON RIVER Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner on 26 November 2002) shows a 7-day mean of daily maximum values of 22.6 for the week ending 12 August 2001 at the station called ' Tucannon River - Bridge 10'.	KL66VJ	43.37	11N	41E	19	Temperature		Water
35	13859	5	N	TUCANNON RIVER Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner on 26 November 2002) shows a 7-day mean of daily maximum values of 22.4 for the week ending 13 August 2001 at the station called ' Tucannon River - Bridge 12'.	KL66VJ	48.466	11N	41E	32	Temperature		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
35	13861	5	N	TUCANNON RIVER	BT00LT	29.873	11N	41E	04	Temperature		Water
Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner on 26 November 2002) shows a 7-day mean of daily maximum values of 21.7 for the week ending 16 August 2001 at the station called ' Tucannon River - Bridge 14'.												
35	13864	5	N	TUCANNON RIVER	KL66VJ	56.583	10N	41E	21	Temperature		Water
Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner on 26 November 2002) shows a 7-day mean of daily maximum values of 20.6 for the week ending 17 July 2002 at the station called ' Tucannon River - Cummings Creek Br'.												
35	13982	5	N	TUCANNON RIVER	KL66VJ	62.353	09N	41E	02	Temperature		Water
Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner on 26 November 2002) shows a 7-day mean of daily maximum values of 20.2 for the week ending 17 July 2002 at the station called ' Tucannon River - FS Info Sign'.												
35	13983	5	N	TUCANNON RIVER	KL66VJ	66.165	09N	41E	15	Temperature		Water
Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner on 26 November 2002) shows a 7-day mean of daily maximum values of 19.1 for the week ending 18 July 2002 at the station called ' Tucannon River - Big 4 Lake'.												
35	13984	5	N	TUCANNON RIVER	KL66VJ	68.213	09N	41E	21	Temperature		Water
Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner on 26 November 2002) shows a 7-day mean of daily maximum values of 18.4 for the week ending 9 July 2001 at the station called ' Tucannon River - Camp Wooten Bridge'.												
35	15918	5	N	TUCANNON RIVER	KL66VJ	3.051	12N	37E	11	Turbidity		Water
Hallock, 2002. shows 6 excursions beyond the criterion out of 12 samples collected between 1992 and 2001 derived by the difference between the upstream station 35B150 (Tucannon R nr Marengo) and the downstream station 35B060 (Tucannon R @ Powers).												
35	13865	5	N	TUCANNON RIVER HATCHERY INTAKE	EJ00TL	0	10N	41E	27	Temperature		Water
Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner on 26 November 2002) shows a 7-day mean of daily maximum values of 20.4 for the week ending 14 July 2001 at the station called ' Tucannon River - Hatchery Intake Dam'.												
35	18838	5	N	WAWAWAI CREEK	DW18MN	0.236	13N	43E	02	Temperature		Water
Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 20.2 degrees C, with a maximum daily temperature of 21.6 degrees C from continuous measurements collected in 2002 at First Culvert Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 19.9 degrees C, with a maximum daily temperature of 20.1 degrees C from continuous measurements collected in 2001 at First Culvert												
36	19226	5	N	COLUMBIA RIVER	NN57SG	46119G4H5	46.675	119.455	4,4'-DDE			Tissue
EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Largescale Sucker composite of 12 fillet with skin collected in 1997 at station 9-F (River Mile 370) sample #97304978.												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
36	19227	5	N	COLUMBIA RIVER EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Largescale Sucker composite of 12 fillet with skin collected in 1997 at station 9-H (River Mile 373) sample #97304979. EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Largescale Sucker composite of 12 fillet with skin collected in 1997 at station 9-H (River Mile 373) sample #97304980.	NN57SG	46119G4I4	46.685	119.445	4,4'-DDE		Tissue	
36	19229	5	N	COLUMBIA RIVER EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Mountain Whitefish composite of 35 fillet with skin collected in 1997 at station 9-N (River Mile 391) sample #97470995. EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Mountain Whitefish composite of 35 fillet with skin collected in 1997 at station 9-O (River Mile 392) sample #97470993. EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Mountain Whitefish composite of 35 fillet with skin collected in 1997 at station 9-O (River Mile 392) sample #97470994.	NN57SG	46119G7E3	46.645	119.735	4,4'-DDE		Tissue	
36	19248	5	N	COLUMBIA RIVER EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Mountain Whitefish composite of 35 fillet with skin collected in 1997 at station 9-N (River Mile 391) sample #97470995.	NN57SG	46119G7E3	46.645	119.735	Aldrin		Tissue	
36	19292	5	N	COLUMBIA RIVER EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Mountain Whitefish composite of 35 fillet with skin collected in 1997 at station 9-N (River Mile 391) sample #97470995. EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Mountain Whitefish composite of 35 fillet with skin collected in 1997 at station 9-O (River Mile 392) sample #97470993.	NN57SG	46119G7E3	46.645	119.735	Chlordane		Tissue	
36	6309	5	N	COLUMBIA RIVER U.S. Army Corp of Engineers (2001) station PAQW (Pasco) shows 20 days exceeding the criterion in 2000. U.S. Army Corp of Engineers (2002a) station PAQW (Pasco) shows 17 days (out of 359)exceeding the criterion in 2001.	NN57SG	46119C2G4	46.265	119.245	Temperature	EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway.	Water	
36	11169	5	N	COLUMBIA RIVER Hallock (2001) Dept. of Ecology Ambient Monitoring Station 36A070 (COLUMBIA RIVER NEAR VERNITA) shows 1 excursions beyond the criterion out of 50 samples collected between 1993 - 2001 measured on these dates: 97/08/12, Grant County PUD station PRXW (Priest Rapids Downstream) shows 0 excursions beyond the criterion in 2000, 0 excursions in 2001, 0 excursions in 2002, and 39 excursions in 2003.	NN57SG	615.62 4	13N	25E	06	Temperature	EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway.	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
and	36	40946	5	N	COLUMBIA RIVER	NN57SG	660.95 9	16N	23E	08	Temperature	Water
					Grant County PUD station WAN (Wanapum Forebay) shows 66 excursions beyond the criterion in 2000, 77 excursions in 2001, 0 excursions in 2002, and 89 excursions in 2003.					EPA has the lead in a temperature TMDL for the Columbia Snakes Rivers that is underway.		
	36	40962	5		COLUMBIA RIVER	NN57SG	46119G9E0	46.645		119.905	Temperature	Water
					Grant County PUD station PRD (Priest Rapids Forebay) shows 50 excursions beyond the criterion in 2000, 69 excursions in 2001, 0 excursions in 2002, and 91 excursions in 2003.					EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway.		
	36	19390	5	N	COLUMBIA RIVER	NN57SG	46119G4H5	46.675		119.455	Total PCBs	Tissue
				EVS Environmental Consultants (2000). show an excursion beyond the National Toxic Rule criterion from Largescale Sucker composite of 12 fillet with skin collected in 1997 at station 9-F (River Mile 370) sample #97304978.								
	36	19391	5	N	COLUMBIA RIVER	NN57SG	46119G4I4	46.685		119.445	Total PCBs	Tissue
				EVS Environmental Consultants (2000). show an excursion beyond the National Toxic Rule criterion from Largescale Sucker composite of 12 fillet with skin collected in 1997 at station 9-H (River Mile 373) sample #97304979.								
				EVS Environmental Consultants (2000). show an excursion beyond the National Toxic Rule criterion from Largescale Sucker composite of 12 fillet with skin collected in 1997 at station 9-H (River Mile 373) sample #97304980.								
	36	19393	5	N	COLUMBIA RIVER	NN57SG	46119G7E3	46.645		119.735	Total PCBs	Tissue
				EVS Environmental Consultants (2000). show an excursion beyond the National Toxic Rule criterion from Mountain Whitefish composite of 35 fillet with skin collected in 1997 at station 9-N (River Mile 391) sample #97470995.								
				EVS Environmental Consultants (2000). show an excursion beyond the National Toxic Rule criterion from Mountain Whitefish composite of 35 fillet with skin collected in 1997 at station 9-O (River Mile 392) sample #97470993.								
				EVS Environmental Consultants (2000). show an excursion beyond the National Toxic Rule criterion from Mountain Whitefish composite of 35 fillet with skin collected in 1997 at station 9-O (River Mile 392) sample #97470994.								
	36	16080	5	N	EAST POTHOLES CANAL	CK78EG	13.455	13N	30E	28	pH	Water
				U.S. Bureau of Reclamation station CBP014 (POTHOLES E CA AT MILE 38.0) shows 11 excursions beyond the criterion out of 16 samples collected between 1993-1999					High pH			
	36	16082	5	N	EAST POTHOLES CANAL	RV63PE	9.273	11N	28E	36	pH	Water
				U.S. Bureau of Reclamation station CBP015 (POTHOLES E CA AT MILE 65.8) shows 13 excursions beyond the criterion out of 23 samples collected between 1993-1999					High pH			
	36	16075	5	N	EL 68T31 WASTEWAY	MB75UZ	9.928	15N	30E	31	pH	Water
				U.S. Bureau of Reclamation station EID016 (EL 68T31 WASTEWAY AT POTHOLES CANAL) shows 4 excursions beyond the criterion out of 4 samples collected between 1993-1999					High pH			

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
36	16074	5	N	ELTOPIA BRANCH CANAL U.S. Bureau of Reclamation station CBP051 (ELTOPIA B CA AT EB WW) shows 4 excursions beyond the criterion out of 10 samples collected between 1993-1999	OO00BI	12.198	11N	30E	11	pH	High pH	Water
36	6733	5	Y	ESQUATZEL COULEE U.S.Geological Survey data from NWIS database station 12513650 (below headworks near Pasco) shows 11 excursions beyond the criterion out of 48 samples collected between 1993 and 1997.	LQ86BT	0	10N	30E	08	pH	High pH	Water
36	16079	5	N	ESQUATZEL COULEE U.S. Bureau of Reclamation station CBP088 (ESQUATZEL CHANNEL AT SHEFFIELD R) shows 10 excursions beyond the criterion out of 21 samples collected between 1993-1999	IP50XP	19.043	13N	30E	35	pH	High pH	Water
36	8295	5	Y	ESQUATZEL COULEE 7 excursions beyond the criterion at USGS station 12513650 (below headworks near Pasco) during 1993 and 1994.	LQ86BT	0	10N	30E	08	Temperature		Water
36	16104	5	N	ESQUATZEL DIVERSION CHANNEL U.S. Bureau of Reclamation station CBP052 (ESQUATZEL DIV CHNL AT COLUMBIA R) shows 5 excursions beyond the criterion out of 21 samples collected between 1993-1999	UR03JQ	0.036	10N	28E	13	pH	High pH	Water
36	15169	5	N	PE 16.4 WASTEWAY U.S. Bureau of Reclamation station CBP090 (PE16.4WW AT ADAMS FARNKLIN CITY) shows 5 excursions beyond the criterion out of 27 samples collected between 1993-1999	MQ42MP	3.638	15N	29E	33	pH		Water
36	16078	5	N	PE 16.4 WASTEWAY U.S. Bureau of Reclamation station CBP029 (PE16.4WW AT COLUMBIA RIVER) shows 7 excursions beyond the criterion out of 26 samples collected between 1993-1999	PB53CQ	14.607	12N	28E	25	pH	High pH	Water
36	16083	5	N	PE 16.4 WASTEWAY U.S. Bureau of Reclamation station CBP017 (PE16.4 WW AT HENDRICKS RD) shows 16 excursions beyond the criterion out of 26 samples collected between 1993-1999	NU68OO	8.018	14N	29E	26	pH	High pH	Water
36	16084	5	N	SADDLE MOUNTAIN WASTEWAY U.S. Bureau of Reclamation station CBP096 (SADDLE MTN WW AT HWY 24) shows 17 excursions beyond the criterion out of 28 samples collected between 1993-1999	RM06ZQ	11.181	14N	25E	10	pH	High pH	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
36	8298	5	Y	SCBID PE 16.4 WASTEWAY Data from USGS station 12473508 (SCBID PE 16.4 Wasteway near mouth near Ringold) (submitted by Tim Hamlin of EPA on 10/31/97) show excursions beyond the criterion in 1993, 1994 and 1995.	PB53CQ	12.733	12N	28E	24	Temperature		Water
36	17191	5	N	SCOOTENEY RESERVOIR Seiders, 2004 shows fillet samples of channel catfish and walleye collected in 2003 exceeded the National Toxics Rule criterion for Dieldrin. Davis et al. 1998. show the National Toxic Rule criterion was exceeded a composite of 5 fillets of Micropterus salmoides collected on 9/14/1995 at station SCOOSEO (SCOOTENEY RESERVOIR SOUTHEAST OF OTHELLO). Davis et al. 1998. show the National Toxic Rule criterion was exceeded a composite of 5 fillets of Micropterus dolomieu collected on 9/14/1995 at station SCOOSEO (SCOOTENEY RESERVOIR SOUTHEAST OF OTHELLO).	518XGQ	14N	30E	27		Dieldrin		Tissue
36	43385	5	N	SCOOTENEY RESERVOIR Seiders, 2004 shows fillet samples of channel catfish collected in 2003 exceeded the National Toxics Rule criterion for Total PCBs	518XGQ	14N	30E	27		Total PCBs		Tissue
36	16087	5	Y	SCOOTENEY WASTEWAY U.S. Bureau of Reclamation station CBP012 (SCOOTENEY WW AT SCOOTENEY R.E.) shows 2 excursions beyond the criterion measured on these dates: 93/05/19, 98/06/29. 6 excursions beyond the criterion at USBR station CBP012 (at Scooteney R.E.) between 1990 and 1993.	OQ61OL	2.415	14N	30E	10	Dissolved oxygen		Water
36	16076	5	N	SCOOTENEY WASTEWAY U.S. Bureau of Reclamation station CBP012 (SCOOTENEY WW AT SCOOTENEY R.E.) shows 6 excursions beyond the criterion out of 15 samples collected between 1993-1999	OQ61OL	2.415	14N	30E	10	pH	High pH	Water
36	16077	5	N	WB5 LATERAL DRAIN U.S. Bureau of Reclamation station CBP046 (WB5 LATERAL AT WB CANAL) shows 6 excursions beyond the criterion out of 10 samples collected between 1993-1999	PB15BE	5.654	14N	29E	27	pH	High pH	Water
36	16081	5	N	WB5 WASTEWAY U.S. Bureau of Reclamation station CBP087 (WB5 WW 1 AT COLUMBIA RIVER) shows 12 excursions beyond the criterion out of 21 samples collected between 1993-1999	UL81HU	8.512	12N	28E	11	pH	High pH	Water
36	40594	5	N	WB5 WASTEWAY #1 Data from USBR station CBP087 (WB5 Wasteway 1 at Columbia River) (submitted by Tim Hamlin of EPA on 10/31/97) show 6 excursions beyond the criterion out of 24 samples (25%) between1991 and 1997. U.S. Bureau of Reclamation station CBP087 (WB5 WW 1 AT COLUMBIA RIVER) shows 9 excursions beyond the criterion measured on these dates: 93/05/19, 93/07/27,	UL81HU	8.512	12N	28E	11	Temperature		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium	
				Basis					Remarks		
37	16802	5	N	AHTANUM CREEK	YR47JF	11.854	12N	18E	08	Fecal Coliform	Water
Hallock (2004), Dept. of Ecology ambient station 37G120 shows a geometric mean of 151.8 exceeded the criterion in year 2002; and 3 of 9 samples (33.3%) in year 2002 exceeded the percentile criterion.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 37G120 (AHTANUM CR @ 62ND AVE) shows a geometric mean of 92 does not exceed the criterion and that 44% of the samples exceeds the percentile criterion from 9 samples collected during 2001.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 37G120 (AHTANUM CR @ 62ND AVE) shows a geometric mean of 130 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 3 samples collected during 2000.											
37	6337	5	Y	GIFFIN LAKE	766SMZ	09N	22E	23		Total Phosphorus	Water
Completed Phase I Federal Clean Lakes Restoration Project in 1993;Moore, et al. 1992.											
										Active Phase II Federal Clean Lakes Restoration Project: Control measures underway based on the Phase I study - watershed nutrient management.	
37	7362	5	Y	GRANGER DRAIN	KO70CH	0	10N	21E	21	4,4'-DDD	Water
4 excursions beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12505460 (at mouth near Granger) in 1988.											
										Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic	
										life criteria and not the more stringent human health criteria.	
										kk	
37	7361	5	Y	GRANGER DRAIN	KO70CH	0	10N	21E	21	4,4'-DDE	Water
7 excursions beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12505460 (at mouth near Granger) in 1988 and 1989.											
										Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic	
										life criteria and not the more stringent human health criteria.	
										kk	
37	40600	5	Y	GRANGER DRAIN	KO70CH	1.13	10N	21E	22	Ammonia-N	Water
5 excursions beyond the criterion between 11/91 and 2/94 at USBR station YAV137 (at Hwy 223 above Granger).											
										JB 7-25-03: REASSESS	
37	7360	5	Y	GRANGER DRAIN	KO70CH	0	10N	21E	21	DDT	Water
Rinella, et al. 1992, 8 excursions beyond the criterion collected between 5/88 and 6/89 at the mouth near Granger.											
										Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic	
										life criteria and not the more stringent human health criteria.	
										kk	
37	7363	5	Y	GRANGER DRAIN	KO70CH	0	10N	21E	21	Dieldrin	Water
Rinella, et al. 1992. , 6 excursions beyond the criterion collected between 5/88 and 11/88 at the mouth near Granger											

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	
				Basis						Remarks		
37	16093	5	Y	GRANGER DRAIN	KO70CH	1.13	10N	21E	22	Dissolved oxygen	Water	
				Sunnyside Valley Irrigation District data (submitted 3/15/04 by Brian Jackson) shows 1 excursion beyond the criterion of 80 samples collected from 4/99 – 10/03.					This listing was placed on Category 2 in error, a			
									of data indicates that it should be on Category 5. sb 4/6/05			
				U.S. Bureau of Reclamation station YAV137 (GRANGER D AT HWY 223 AB GRANGER) shows 13 excursions beyond the criterion measured on these dates: 93/06/29, 93/07/27, 93/08/24, 93/10/26, 94/01/25, 94/05/24, 94/06/28, 94/07/25, 94/09/27, 95/01/31, 97/06/16, 97/07/29, 98/07/28,								
37	7364	5	Y	GRANGER DRAIN	KO70CH	0	10N	21E	21	Endosulfan	Water	
				Rinella, et al. 1992. , 4 excursions beyond the criterion collected between 6/88 and 8/88 at the mouth near Granger.								
37	8302	5	Y	GRANGER DRAIN	KO70CH	1.13	10N	21E	22	Temperature	Water	
				4 excursions beyond the criterion at USGS station 12505450 (at Granger) in 1991.								
				U.S. Bureau of Reclamation station YAV137 (GRANGER D AT HWY 223 AB GRANGER) shows 15 excursions beyond the criterion measured on these dates: 93/07/27, 94/05/24,								
37	7377	5	Y	MOXEE (BIRCHFIELD) DRAIN	YE21MH	0	12N	19E	17	4,4'-DDD	Water	
				7 excursions beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12500430 (at Thorp road near Union Gap) in 1988.					Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic			
									life criteria and not the more stringent human health criteria.			
									kk			
37	7376	5	Y	MOXEE (BIRCHFIELD) DRAIN	YE21MH	0	12N	19E	17	4,4'-DDE	Water	
				10 excursions beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12500430 (at Thorp road near Union Gap) in 1988 and 1989.					Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic			
									life criteria and not the more stringent human health criteria.			
									kk			
37	7378	5	Y	MOXEE (BIRCHFIELD) DRAIN	YE21MH	0.189	12N	19E	08	Chlorpyrifos	Water	
				Davis and Johnson, 1994. excursions beyond the criterion collected in 2 samples in April and August 1993.					Changed from 3 to 2 samples beyond the Washington State Surface Water Quality Standards based on review of Basis documentation (Davis and Johnson, October 1994) -kk			
37	7373	5	Y	MOXEE (BIRCHFIELD) DRAIN	TK46RP	0	12N	19E	09	DDT	Water	
				Rinella, et al. 1992. , 9 excursions beyond the criterion collected between 5/88 and 6/89					Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic			
									life criteria and not the more stringent human health criteria.			
									kk			

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	
				Basis							Remarks	
aquatic -	37	7380	5	Y	MOXEE (BIRCHFIELD) DRAIN	YE21MH	0.189	12N	19E	08	DDT	Water
				Johnson, et al. 1986 , 3 excursions beyond the criterion collected on Moxee Drain at mouth	on 6/24/85, 7/2/85, and 8/21/85.						PaReturned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic	
											life criteria and not the more stringent human health criteria.	
											kk	
aquatic -	37	7374	5	Y	MOXEE (BIRCHFIELD) DRAIN	TK46RP	0	12N	19E	09	Dieldrin	Water
				Rinella, et al. 1992 , 8 excursions beyond the criterion collected between 5/88 and 8/88.								
	37	7375	5	Y	MOXEE (BIRCHFIELD) DRAIN	TK46RP	0	12N	19E	09	Endosulfan	Water
				Rinella, et al. 1992 , 8 excursions beyond the criterion collected between 5/88 and 8/88								
aquatic -	37	7383	5	Y	MOXEE (BIRCHFIELD) DRAIN	YE21MH	0.189	12N	19E	08	Endosulfan	Water
				Johnson, et al. 1986 , 3 excursions beyond the criterion on Moxie Drain at mouth	on 6/24/85, 7/2/85, and 8/21/85.							
	37	7367	5	N	SNIPES CREEK	SL56UX	1.313	09N	25E	22	4,4'-DDD	Water
				1 excursion beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12509820 (near Prosser) on 7/29/88.							Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic	
aquatic -											life criteria and not the more stringent human health criteria.	
											kk	
	37	7369	5	N	SNIPES CREEK	SL56UX	0	09N	25E	27	4,4'-DDD	Water
				1 excursion beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12509829 (at mouth at Whitstran) on 7/29/88.							Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic	
aquatic -											life criteria and not the more stringent human health criteria.	
											kk	
	37	7366	5	N	SNIPES CREEK	SL56UX	1.313	09N	25E	22	4,4'-DDE	Water
				1 excursion beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12509820 (near Prosser) on 7/29/88.							Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic	
aquatic -											life criteria and not the more stringent human health criteria.	
											kk	
	37	7370	5	N	SNIPES CREEK	SL56UX	0	09N	25E	27	4,4'-DDE	Water
				1 excursion beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12509829 (at mouth at Whitstran) on 7/29/88.							Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic	
											life criteria and not the more stringent human health criteria.	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks	
aquatic -	37	7365	5	N	SNIPES CREEK	SL56UX	0	09N	25E	27	DDT	Water	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
					Rinella, et al. 1992 , 1 excursion beyond the criterion on 7/29/88.								
					Johnson, et al. 1986 , 1 excursion beyond the criterion on Snipes/Spring Creek below Chandler Canal on 8/5/85.								life criteria and not the more stringent human health criteria.
temperature	37	16092	5	Y	SNIPES CREEK	SL56UX	0	09N	25E	27	Temperature	Water	Recent monitoring data from 2000 shows that temperature standards were met. The daily maximum excursions in 1993 are for one year only and do not meet the WQ Program Policy 1-11 (updated 9/02) for showing persistent
					Sunnyside Valley Irrigation District data (submitted 3/15/04 by Brian Jackson) shows 26 excursions beyond the criterion; 4 excursions in 1998, 5 in 1999, 4 in 2000, 5 in 2001, 3 in 2002, and 5 in 2003.								
					Carroll and Joy (2002) station YAK-19 (SNIPES CR. (CHANDCAN)) shows 0 excursions beyond the criterion out of 1 samples collected between 09/99 - 07/00.								impairment. Listing will be placed in waters of concern category until further study and monitoring indicates the status of the water.
aquatic -	37	7355	5	N	SPRING CREEK	KM06JM	0.587	09N	25E	28	4,4'-DDD	Water	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
					1 excursion beyond the criterion at USGS station 12509700 (at Hess Road) on 7/29/88.								life criteria and not the more stringent human health criteria.
													kk
aquatic -	37	7357	5	N	SPRING CREEK	KM06JM	0	09N	25E	27	4,4'-DDD	Water	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
					1 excursion beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12509710 on 7/29/88.								life criteria and not the more stringent human health criteria.
													kk
aquatic -	37	7354	5	N	SPRING CREEK	KM06JM	0.587	09N	25E	28	4,4'-DDE	Water	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
					1 excursion beyond the criterion at USGS station 12509700 (at Hess Road) on 7/29/88.								life criteria and not the more stringent human health criteria.
													kk
aquatic	37	7358	5	N	SPRING CREEK	KM06JM	0	09N	25E	27	4,4'-DDE	Water	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
					1 excursion beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12509710 on 7/29/88.								life criteria and not the more stringent human health criteria.

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kk

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WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	
				Basis							Remarks	
aquatic -	37	7353	5	N	SPRING CREEK	KM06JM	0	09N	25E	27	DDT	Water
	Rinella, et al. 1992 , 1 excursion beyond the criterion on7/29/88.											
	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic life criteria and not the more stringent human health criteria.											
aquatic -	37	8906	5	Y	SULPHUR CREEK WASTEWAY	YT62AF	0.569	09N	22E	24	4,4'-DDD	Water
	5 excursions beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12508850 (near Sunnyside) in 1988.											
	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic life criteria and not the more stringent human health criteria.											
aquatic -	37	7385	5	Y	SULPHUR CREEK WASTEWAY	YT62AF	0.569	09N	22E	24	4,4'-DDE	Water
	8 excursions beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12508850 (near Sunnyside) between 1976 and 1989.											
	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic life criteria and not the more stringent human health criteria.											
aquatic -	37	7384	5	N	SULPHUR CREEK WASTEWAY	YT62AF	0.267	09N	22E	25	DDT	Water
	2 excursions beyond National Toxics Rule (40 CFR Part 131) criterion at USEPA station 04N002 in 1985.											
	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic life criteria and not the more stringent human health criteria.											
aquatic -	37	8909	5	Y	SULPHUR CREEK WASTEWAY	YT62AF	0.569	09N	22E	24	DDT	Water
	Rinella, et al. 1992, 7 excursions beyond the criterion collected between 5/88 and 6/89 near Sunnyside.											
	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic life criteria and not the more stringent human health criteria.											
aquatic -	37	8911	5	Y	SULPHUR CREEK WASTEWAY	YT62AF	0.569	09N	22E	24	Dieldrin	Water
	Rinella, et al, 1992, 8 excursions beyond the criterion collected between 5/88 and 3/89 near Sunnyside.											
aquatic -	37	8908	5	Y	SULPHUR CREEK WASTEWAY	YT62AF	0.569	09N	22E	24	Endosulfan	Water
	Rinella, et al. 1992, 5 excursions beyond the criterion collected between 6/88 and 89/88 near Sunnyside.											

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium
				Basis						Remarks	
37	16803	5	N	SULPHUR CREEK WASTEWAY	YT62AF	0.569	09N	22E	24	Fecal Coliform	Water
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 37F070 (Sulfer Ck Wasteway @ McGee Rd) shows a geometric mean of 1237 exceeds the criterion and that 100% of the samples exceeds the percentile criterion from 2 samples collected during 1993.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 37F070 (Sulfer Ck Wasteway @ McGee Rd) shows a geometric mean of 1437 exceeds the criterion and that 100% of the samples exceeds the percentile criterion from 9 samples collected during 1994.											
37	8849	5	Y	WIDE HOLLOW CREEK	DY38VO	0	12N	19E	08	4,4'-DDD	Water
aquatic	3 excursions beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12500445 in 1988 and 1989.										Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
-											life criteria and not the more stringent human health criteria.
kk											
37	8848	5	Y	WIDE HOLLOW CREEK	DY38VO	0	12N	19E	08	4,4'-DDE	Water
aquatic	6 excursions beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12500445 in 1988 and 1989.										Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
-											life criteria and not the more stringent human health criteria.
kk											
37	8855	5	Y	WIDE HOLLOW CREEK	EB21AR	178.19 7	12N	19E	08	DDT	Water
aquatic	Rinella, et al. 1992. , 3 excursions beyond the criterion collected on 6/3/88, 7/27/88, and 3/10/89 near the mouth at Union Gap.										Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
-											life criteria and not the more stringent human health criteria.
kk											
37	8856	5	Y	WIDE HOLLOW CREEK	EB21AR	178.19 7	12N	19E	08	Dieldrin	Water
Rinella, et al. 1992 , 5 excursions beyond the criterion collected between 5/88 and 12/88 near the mouth at Union Gap.											
37	8857	5	Y	WIDE HOLLOW CREEK	EB21AR	178.19 7	12N	19E	08	Endosulfan	Water
Rinella, et al. 1992 , 6 excursions beyond the criterion collected between 5/88 and 3/89 near the mouth at Union Gap.											
37	6717	5	Y	WIDE HOLLOW CREEK	DY38VO	1.318	12N	19E	07	Fecal Coliform	Water
Kendra, 1988, 2 excursions beyond the upper criterion at RM 0.9 in 7/87.											
37	6718	5	Y	WIDE HOLLOW CREEK	DY38VO	6.451	13N	18E	35	Fecal Coliform	Water
Kendra, 1988, 2 excursions beyond the upper criterion at RM 5.3 in 7/87.											
Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.											

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium	
				Basis					Remarks		
37	8306	5	Y	WIDE HOLLOW CREEK	DY38VO	0	12N	19E	08	Fecal Coliform	Water
Embrey, 1992. Station site #23 shows that 2 of 2 (100%) samples taken on 7/28/88 exceeded the percentile criterion.											
37	16804	5	N	WIDE HOLLOW CREEK	DY38VO	9.91	13N	18E	27	Fecal Coliform	Water
Hallock (2004), Dept. of Ecology ambient station 37E120 shows a geometric mean of 201.5 exceeded the criterion in year 2002; 3 of 3 samples (100%) in year 2001 exceeded the percentile criterion; and 4 of 9 samples (44.4%) in year 2002 exceeded the percent											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 37E120 (WIDE HOLLOW CR @ RANDALL PARK) shows a geometric mean of 819 exceeds the criterion and that 78% of the samples exceeds the percentile criterion from 9 samples collected during 2001.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 37E120 (WIDE HOLLOW CR @ RANDALL PARK) shows a geometric mean of 586 exceeds the criterion and that 100% of the samples exceeds the percentile criterion from 3 samples collected during 2000.											
37	8307	5	Y	WIDE HOLLOW CREEK	EB21AR	178.197	12N	19E	08	Temperature	Water
Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show 4 excursions beyond the criterion in 1995.											
Creek"										This listing appears on the 1998 303(d) list as "Spring	
measurements										at the same locaiton. Continuous temperature	
										were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	
37	8862	5	N	YAKIMA RIVER	EB21AR	48.64	09N	27E	19	4,4'-DDD	Water
11 excursions beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12510500 (at Kiona) between 1968 and 1988.;											
aquatic										Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic	
										life criteria and not the more stringent human health criteria.	
										kk	
37	8889	5	N	YAKIMA RIVER	EB21AR	89.762	09N	23E	34	4,4'-DDD	Water
1 excursion beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12509050 (at Euclid Bridge at RM 55 near Grandview) on 7/28/88.;											
aquatic										Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic	
										life criteria and not the more stringent human health criteria.	
										kk	
37	14254	5	N	YAKIMA RIVER	EB21AR	48.64	09N	27E	19	4,4'-DDD	Tissue
Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple fish composite of edible tissue of Bridgelip sucker and Northern squawfish samples collected in 1984.											
aquatic										Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic	
										life criteria and not the more stringent human health criteria.	
										kk	

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	Remarks
				Basis								
37	14255	5	N	YAKIMA RIVER	EB21AR	176.38	12N	19E	17	4,4'-DDD	Tissue	
aquatic				Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple fish composite of edible tissue of Mountain whitefish, Bridgelip sucker and Northern squawfish samples collected in 1984.		5						Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
-												life criteria and not the more stringent human health criteria.
												kk
37	16430	5	N	YAKIMA RIVER	EB21AR	89.762	09N	23E	34	4,4'-DDD	Tissue	
aquatic				Davis et al. 1998. show the National Toxic Rule criterion was exceeded a composite of 5 fillets of Cyprinus carpio collected on 9/12/1995 at station YAKRGR (YAKIMA RIVER SOUTHWEST OF GRANDVIEW).								Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
-												life criteria and not the more stringent human health criteria.
				Davis et al. 1998. show no excursions beyond the National Toxic Rule criterion in a composite of 5 fillets of Micropterus dolomieu collected on 9/12/1995 at station YAKRGR (YAKIMA RIVER SOUTHWEST OF GRANDVIEW).								kk
				Davis et al. 1998. show no excursions beyond the National Toxic Rule criterion in a composite of 5 fillets of Cyprinus carpio collected on 9/12/1995.								
37	8861	5	Y	YAKIMA RIVER	EB21AR	29.109	10N	27E	03	4,4'-DDE	Tissue	
aquatic				Davis and Johnson, 1994. , excursions beyond the criterion in edible fish tissue at Horn Rapids Dam in 1992.								Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
-												life criteria and not the more stringent human health criteria.
												kk
37	8874	5	Y	YAKIMA RIVER	EB21AR	156.77	11N	20E	20	4,4'-DDE	Tissue	
aquatic				Johnson, et al. 1986. , excursions beyond the criterion of a composite of 3 fish of the edible tissue in Mountain Whitefish, Suckers, and Northern Squawfish at Buena in1985.		4						Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
-												life criteria and not the more stringent human health criteria.
												kk
37	8877	5	N	YAKIMA RIVER	EB21AR	176.38	12N	19E	17	4,4'-DDE	Water	
aquatic				1 excursion beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12500450 (above Ahtanum Creek at Union Gap) on 7/27/88.		5						Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
-												life criteria and not the more stringent human health criteria.
												kk
37	8890	5	N	YAKIMA RIVER	EB21AR	48.64	09N	27E	19	4,4'-DDE	Water	
aquatic				22 excursions beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12510500 (at Kiona) between 1968 and 1989.;								Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic

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life criteria and not the more stringent human health criteria.

kk

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	Remarks
				Basis								
aquatic	37	8891	5	N	YAKIMA RIVER	EB21AR	89.762	09N	23E	34	4,4'-DDE	Water
	1 excursion beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12509050 (at Euclid Bridge at RM 55 near Grandview) on 7/28/88.											
	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic life criteria and not the more stringent human health criteria.											
-												kk
aquatic	37	8893	5	N	YAKIMA RIVER	EB21AR	50.382	09N	26E	13	4,4'-DDE	Tissue
	Johnson, et al. 1986. , excursions beyond the criterion of edible tissue in Largescale Suckers, Northern Squawfish, Smallmouth Bass, and Channel Catfish at Kiona in 1985.											
	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic life criteria and not the more stringent human health criteria.											
-												kk
aquatic	37	14256	5	Y	YAKIMA RIVER	EB21AR	48.64	09N	27E	19	4,4'-DDE	Tissue
	Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple fish composite of edible tissue of Bridgelip sucker and Northern squawfish samples collected in 1984.											
	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic life criteria and not the more stringent human health criteria.											
-												kk
aquatic	37	14257	5	N	YAKIMA RIVER	EB21AR	176.38	12N	19E	17	4,4'-DDE	Tissue
	Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple fish composite of edible tissue of Mountain whitefish, Bridgelip sucker and Northern squawfish samples collected in 1984.											
	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic life criteria and not the more stringent human health criteria.											
-												kk
aquatic	37	19592	5	N	YAKIMA RIVER	EB21AR	2.692	09N	28E	24	4,4'-DDE	Tissue
	EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Channel Catfish composite of 2 fillet with skin collected in 1998 at station 48-A (River Mile 2.1) sample #98204153.											
	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic life criteria and not the more stringent human health criteria.											
-					EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Channel Catfish composite of 2 fillet with skin collected in 1998 at station 48-A (River Mile 2.1) sample #98204154.							kk
aquatic					EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Channel Catfish composite of 2 fillet with skin collected in 1998 at station 48-A (River Mile 2.1) sample #98204155.							
aquatic	37	19595	5	N	YAKIMA RIVER	EB21AR	134.97	10N	21E	28	4,4'-DDE	Tissue
	EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Largescale Sucker composite of 6 fillet with skin collected in 1998 at station 48-I (River Mile 83) sample #98164079.											
	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic											

aquatic

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EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Largescale Sucker composite of 6 fillet with skin collected in 1998 at station 48-I (River Mile 83) sample #98164080.

life criteria and not the more stringent human health criteria.

kk

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	Remarks
aquatic	37	19597	5	N	YAKIMA RIVER	EB21AR	135.707	10N	21E	21	4,4'-DDE	Tissue
	EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Largescale Sucker composite of 6 fillet with skin collected in 1998 at station 48-J (River Mile 85) sample #98164078.										Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic life criteria and not the more stringent human health criteria.	
-												kk
aquatic	37	19598	5	N	YAKIMA RIVER	EB21AR	76.341	08N	24E	02	4,4'-DDE	Tissue
	EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Mountain Whitefish composite of 10 fillet with skin collected in 1998 at station 48-F (River Mile 47.1) sample #98124165.										Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic life criteria and not the more stringent human health criteria.	
-					EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Mountain Whitefish composite of 10 fillet with skin collected in 1998 at station 48-F (River Mile 47.1) sample #98124166.							kk
					EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Mountain Whitefish composite of 10 fillet with skin collected in 1998 at station 48-F (River Mile 47.1) sample #98124167.							
					EVS Environmental Consultants (2000) show no excursions beyond the National Toxic Rule criterion from Fall Chinook composite of 5 fillet with skin collected in 1997 at station 48-F (River Mile 47.1) sample #97420937.							
					EVS Environmental Consultants (2000) show no excursions beyond the National Toxic Rule criterion from Fall Chinook composite of 5 fillet with skin collected in 1997 at station 48-F (River Mile 47.1) sample #97420938.							
					EVS Environmental Consultants (2000) show no excursions beyond the National Toxic Rule criterion from Fall Chinook composite of 5 fillet with skin collected in 1997 at station 48-F (River Mile 47.1) sample #97420939.							
					EVS Environmental Consultants (2000) show no excursions beyond the National Toxic Rule criterion from Fall Chinook composite of 5 fillet with skin collected in 1997 at station 48-F (River Mile 47.1) sample #97420940.							
					EVS Environmental Consultants (2000) show no excursions beyond the National Toxic Rule criterion from Steelhead composite of 4 fillet with skin collected in 1998 at station 48-F (River Mile 47.1) sample #98124153.							
					EVS Environmental Consultants (2000) show no excursions beyond the National Toxic Rule criterion from Steelhead composite of 4 fillet with skin collected in 1998 at station 48-F (River Mile 47.1) sample #98124154.							
					EVS Environmental Consultants (2000) show no excursions beyond the National Toxic Rule criterion from Steelhead composite of 4 fillet with skin collected in 1998 at station 48-F (River Mile 47.1) sample #98124155.							
aquatic	37	19601	5	N	YAKIMA RIVER	EB21AR	30.827	10N	27E	04	4,4'-DDE	Tissue
	EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Smallmouth Bass composite of 3 fillet with skin collected in 1998 at station 48-B (River Mile 18) sample #98174082.										Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic life criteria and not the more stringent human health criteria.	
-												kk

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium					
				Basis						Remarks						
aquatic -	37	19602	5	N	YAKIMA RIVER					EB21AR	47.652	09N	27E	17	4,4'-DDE	Tissue
	EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Smallmouth Bass composite of 3 fillet with skin collected in 1998 at station 48-C (River Mile 26) sample #98174080.											Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic				
												life criteria and not the more stringent human health criteria.				
aquatic -	37	19614	5	N	YAKIMA RIVER					EB21AR	2.692	09N	28E	24	4,4'-DDT	Tissue
	EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Channel Catfish composite of 2 fillet with skin collected in 1998 at station 48-A (River Mile 2.1) sample #98204154.											Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic				
												life criteria and not the more stringent human health criteria.				
aquatic -	37	19622	5	N	YAKIMA RIVER					EB21AR	30.827	10N	27E	04	4,4'-DDT	Tissue
	EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Smallmouth Bass composite of 3 fillet with skin collected in 1998 at station 48-B (River Mile 18) sample #98174082.											Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic				
												life criteria and not the more stringent human health criteria.				
aquatic -	37	14258	5	N	YAKIMA RIVER					EB21AR	48.64	09N	27E	19	ALPHA-BHC	Tissue
	Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple fish composite of edible tissue of Bridgelip sucker and Northern squawfish samples collected in 1984.															
aquatic -	37	14259	5	N	YAKIMA RIVER					EB21AR	176.385	12N	19E	17	ALPHA-BHC	Tissue
	Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple fish composite of edible tissue of Mountain whitefish, Bridgelip sucker and Northern squawfish samples collected in 1984.															

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	Remarks
				Basis								
37	19705	5	N	YAKIMA RIVER	EB21AR	76.341	08N	24E	02	Chlordane	Tissue	
EVS Environmental Consultants (2000) show no excursions beyond the National Toxic Rule criterion from Fall Chinook composite of 5 fillet with skin collected in 1997 at station 48-F (River Mile 47.1) sample #97420937.												
EVS Environmental Consultants (2000) show no excursions beyond the National Toxic Rule criterion from Fall Chinook composite of 5 fillet with skin collected in 1997 at station 48-F (River Mile 47.1) sample #97420938.												
EVS Environmental Consultants (2000) show no excursions beyond the National Toxic Rule criterion from Fall Chinook composite of 5 fillet with skin collected in 1997 at station 48-F (River Mile 47.1) sample #97420939.												
EVS Environmental Consultants (2000) show no excursions beyond the National Toxic Rule criterion from Fall Chinook composite of 5 fillet with skin collected in 1997 at station 48-F (River Mile 47.1) sample #97420940.												
EVS Environmental Consultants (2000) show no excursions beyond the National Toxic Rule criterion from Steelhead composite of 4 fillet with skin collected in 1998 at station 48-F (River Mile 47.1) sample #98124153.												
EVS Environmental Consultants (2000) show no excursions beyond the National Toxic Rule criterion from Steelhead composite of 4 fillet with skin collected in 1998 at station 48-F (River Mile 47.1) sample #98124154.												
EVS Environmental Consultants (2000) show no excursions beyond the National Toxic Rule criterion from Steelhead composite of 4 fillet with skin collected in 1998 at station 48-F (River Mile 47.1) sample #98124155.												
EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Mountain Whitefish composite of 10 fillet with skin collected in 1998 at station 48-F (River Mile 47.1) sample #98124165.												
EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Mountain Whitefish composite of 10 fillet with skin collected in 1998 at station 48-F (River Mile 47.1) sample #98124166.												
EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Mountain Whitefish composite of 10 fillet with skin collected in 1998 at station 48-F (River Mile 47.1) sample #98124167.												
37	7351	5	Y	YAKIMA RIVER	EB21AR	156.77	11N	20E	20	DDT	Tissue	
aquatic												
Johnson, et al. 1986. , excursions beyond the criterion of a composite of 3 fish of the edible tissue in Mountain Whitefish, Suckers, and Northern Squawfish at Buena in1985.;												
Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic												
life criteria and not the more stringent human health criteria.												
kk												
37	8860	5	Y	YAKIMA RIVER	EB21AR	48.64	09N	27E	19	DDT	Water	
aquatic												
Rinella, et al. 1992. , excursions beyond the criterion at Kiona(RM 29.8) on 5/7/88 and 3/8/89.;												
Johnson, et al. (1986) which showed 1 excursion beyond the criterion at Kiona (RM 29.8) on 6/24/85.;												
Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic												
life criteria and not the more stringent human health criteria.												
kk												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks	
aquatic -	37	8873	5	N	YAKIMA RIVER	EB21AR	135.70 7	10N	21E	21	DDT	Water	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic life criteria and not the more stringent human health criteria. kk
	2 excursions beyond National Toxics Rule (40 CFR Part 131) criterion at USEPA station 04A013 (just below Granger Drain) on 6/24/85 and 8/5/85.												
aquatic -	37	8876	5	N	YAKIMA RIVER	EB21AR	176.38 5	12N	19E	17	DDT	Water	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic life criteria and not the more stringent human health criteria. kk
	1 excursion beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12500450 (above Ahtanum Creek at Union Gap) on 7/27/88.												
aquatic -	37	8896	5	N	YAKIMA RIVER	EB21AR	68.894	09N	25E	34	DDT	Water	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic life criteria and not the more stringent human health criteria. kk
	1 excursion beyond National Toxics Rule (40 CFR Part 131) criterion at USEPA station 04A015 (just below Spring/Snipes Creek) on 6/24/85.;												
aquatic -	37	8897	5	Y	YAKIMA RIVER	EB21AR	48.64	09N	27E	19	DDT	Tissue	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic life criteria and not the more stringent human health criteria. kk
	Johnson, et al. 1986. , excursions beyond the criterion of edible tissue in Largescale Suckers, Northern Squawfish, Smallmouth Bass, and Channel Catfish at Kiona in 1985.;												
	37	8854	5	Y	YAKIMA RIVER	EB21AR	135.70 7	10N	21E	21	Dieldrin	Water	Water Body Name changed from Granger Drain to Yakima River. Page 5 of the cited reference clearly states the readings were taken on the left bank of the Yakima River (facing downstream) at Granger Drain.
	Johnson, et al, 1986. 2 excursions beyond the criterion on Granger Drain at the mouth on 6/24/85 and 8/5/85.												
	37	8871	5	Y	YAKIMA RIVER	EB21AR	48.64	09N	27E	19	Dieldrin	Water	19 excursions beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12510500 (at Kiona) between 1968 and 1988. Johnson, et al. 1986. excursions beyond the criterion of edible tissue in Largescale Suckers, Northern Squawfish, and Channel Catfish at Kiona in 1985.
	37	8875	5	Y	YAKIMA RIVER	EB21AR	156.77 4	11N	20E	20	Dieldrin	Tissue	

Johnson, et al. 1986. , excursion beyond the criterion of edible tissue in Mountain Whitefish at Buena on 8/20/85.

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
37	8902	5	Y	YAKIMA RIVER	EB21AR	29.109	10N	27E	03	Dieldrin		Tissue
	Davis and Johnson, 1994. Excursions beyond the criterion in edible fish tissue at Horn Rapids Dam in 1992.											
	34887	5	N	YAKIMA RIVER	EB21AR	76.341	08N	24E	02	Dioxin		Tissue
DO	EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule criterion from a Mountain Whitefish composite of 10 fillet with skin collected in 1998 at station 48-F sample #98124167.											
	EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule criterion from a Steelhead composite of 4 fillet with skin collected in 1998 at station 48-F sample #98124153.											
	EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule criterion from a Steelhead composite of 4 fillet with skin collected in 1998 at station 48-F sample #98124154.											
	EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule criterion from a Fall Chinook composite of 5 fillet with skin collected in 1997 at station 48-F sample #97420939.											
	EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule criterion from a Steelhead composite of 4 fillet with skin collected in 1998 at station 48-F sample #98124155.											
	EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule criterion from a Fall Chinook composite of 5 fillet with skin collected in 1997 at station 48-F sample #97420938.											
	EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule criterion from a Mountain Whitefish composite of 10 fillet with skin collected in 1998 at station 48-F sample #98124165.											
	EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule criterion from a Fall Chinook composite of 5 fillet with skin collected in 1997 at station 48-F sample #97420940.											
	EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule criterion from a Fall Chinook composite of 5 fillet with skin collected in 1997 at station 48-F sample #97420937.											
	EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule criterion from a Mountain Whitefish composite of 10 fillet with skin collected in 1998 at station 48-F sample #98124166.											
to	37	8309	5	Y	YAKIMA RIVER	EB21AR	76.341	08N	24E	02	Dissolved oxygen	Water
	Data collected by City of Prosser (as a condition of their NPDES permit and submitted by Phelps Freeborn at CRO) show 9 excursions beyond the criterion out of 23 samples (39%) below Chandler dam in 1995 and 1996.											
	Hallock (2001) Dept. of Ecology Ambient Monitoring Station 37A100 (Yakima below Prosser) shows 0 excursions beyond the criterion out of 9 samples collected between 1993 - 2001											
											During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments. Based on a review of monitoring studies for statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues to be impaired. (Braley, ECY/WQP, 2003)	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
37	8865	5	Y	YAKIMA RIVER	EB21AR	48.64	09N	27E	19	Endosulfan		Water
Rinella et al., 1992. 2 excursions beyond the national toxics rule criterion at Kiona in 1988.												
37	16807	5	N	YAKIMA RIVER	EB21AR	95.37	09N	23E	30	Fecal Coliform		Water
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 37A130 (Yakima R. at Mabton) shows a geometric mean of 200 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 9 samples collected during 1994.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 37A130 (Yakima R. at Mabton) shows a geometric mean of 159 exceeds the criterion and that 50% of the samples exceeds the percentile criterion from 2 samples collected during 1993.												
37	6734	5	Y	YAKIMA RIVER	EB21AR	48.64	09N	27E	19	pH		Water
Hallock (2004), Dept. of Ecology ambient station 37A090 shows that 9 of 30 samples exceed the criterion.											Changed from Category 2 to Category 5 on 01/13/05 due to consolidation with Listing ID 42770. -kk	
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 37A090 (YAKIMA RIVER AT KIONA) shows 4 excursions beyond the criterion out of 61 samples collected between 1993 - 2001.											An assessment of collective data indicates that eight exceedances out of at least 169 samples does not meet Water Quality Policy 1-11 minimum requirements for placing the waterbody segment on Category 5 as an impaired	
U.S.Geological Survey data from NWIS database station 12510500 (at Kiona) shows 3 excursions beyond the criterion out of 107 samples collected between 1991 and 2001												
water.											This waterbody segment will be placed in Category 2 as a priority for monitoring so that adequate information can be obtained to determine if the waterbody is impaired.	
Carroll and Joy (2002) station YAK-6 (YAKIMA R. (YAK-KION)) shows 1 excursions beyond the criterion out of 1 sample collected between 09/99 - 07/00.												
37	11195	5	N	YAKIMA RIVER	EB21AR	183.99 5	13N	19E	28	pH		Water
Hallock (2004), Dept. of Ecology ambient station 37A205 shows that 7 of 30 samples exceed the criterion.											Changed from Category 2 to Category 5 on 01/13/05 due to consolidation with Listing ID 42729. -kk	
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 37A205 (YAKIMA RIVER AT KNOB HILL) shows 3 excursions beyond the criterion out of 38 samples collected between 1993 - 2001.												
37	8311	5	Y	YAKIMA RIVER	EB21AR	48.64	09N	27E	19	Temperature		Water
21 excursions beyond the criterion at USGS station 12510500 (at Kiona) during 1990, 1991, 1993, and 1994												
Carroll and Joy (2002) station YAK-6 (YAKIMA R. (YAK-KION)) shows 0 excursions beyond the criterion out of 2 samples collected between 09/99 - 07/00.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 37A090 (YAKIMA RIVER AT KIONA) shows 7 excursions beyond the criterion out of 60 samples collected between 1993 - 2001 measured on these dates: 00/07/12, 94/07/12, 94/08/09, 96/07/16, 96/08/12, 97/07/15, 97/08/13,												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
37	7350	5	Y	YAKIMA RIVER	EB21AR	48.64	09N	27E	19	Total PCBs		Tissue
Johnson, et al. 1986. excursion beyond the criterion of edible tissue in Channel Catfish at Kiona on 5/20/85.												
Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple fish composite of edible tissue of Bridgelip sucker and Northern squawfish samples collected in 1984.												
37	8863	5	Y	YAKIMA RIVER	EB21AR	30.827	10N	27E	04	Total PCBs		Tissue
Davis and Johnson, 1994. excursions beyond the criterion in edible fish tissue at Horn Rapids Dam in 1992.												
EVS Environmental Consultants (2000). show an excursion beyond the National Toxic Rule criterion from Smallmouth Bass composite of 3 fillet with skin collected in 1998 at station 48-B (River Mile 18) sample #98174082.												
37	8864	5	Y	YAKIMA RIVER	EB21AR	29.109	10N	27E	03	Total PCBs		Tissue
Davis and Johnson. 1994. excursions beyond the criterion in edible fish tissue at Horn Rapids Dam in 1992.												
37	14261	5	N	YAKIMA RIVER	EB21AR	176.385	12N	19E	17	Total PCBs		Tissue
Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple fish composite of edible tissue of Mountain whitefish, Bridgelip sucker and Northern squawfish samples collected in 1984.												
37	20045	5	N	YAKIMA RIVER	EB21AR	134.977	10N	21E	28	Total PCBs		Tissue
EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Largescale Sucker composite of 6 fillet with skin collected in 1998 at station 48-I (River Mile 83) sample #98164079.												
EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Largescale Sucker composite of 6 fillet with skin collected in 1998 at station 48-I (River Mile 83) sample #98164080.												
37	20047	5	N	YAKIMA RIVER	EB21AR	135.707	10N	21E	21	Total PCBs		Tissue
EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Largescale Sucker composite of 6 fillet with skin collected in 1998 at station 48-J (River Mile 85) sample #98164078.												
38	8314	5	Y	AMERICAN RIVER	QX86IU	0	17N	13E	12	Temperature		Water
23 excursions beyond the criterion sampled by Wenatchee National Forest station at the USGS gage (RM 0.5) between 1992 and 1994 (submitted by Bella Patheal of EPA on 12/1/95) .											This waterbody was listed for temperature in 1998 and is of a temperature TMDL study for the Naches River Watershed.	
Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show excursions beyond the criterion from measurements collected in 2001 at station 'American River at USGS Station' (River Mile 5).												
Scholz, 1999, shows a 7-day mean of maximum daily temperature of 14.3 degrees C, with a maximum daily temperature of 15 degrees C from continuous measurements collected in 1998 at American River at USGS.												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks
38	8315	5	Y	BEAR CREEK	JJ42VM	1.343	19N	13E	32	Temperature	Water	This waterbody was listed for temperature in 1998 and is of a temperature TMDL study for the Naches River Watershed.
				23 excursions beyond the criterion sampled by Wenatchee National Forest at Road 1900 in 1992 (submitted by Bella Patheal of EPA on 12/1/95) .								
38	8316	5	Y	BLOWOUT CREEK	OL73EW	0.837	19N	12E	35	Temperature	Water	This waterbody was listed for temperature in 1998 and is of a temperature TMDL study for the Naches River Watershed.
				Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show 9 excursions beyond the criterion in 1994.								
38	39332	5	Y	BUMPING RIVER	XR40PP	5.225	17N	13E	12	Temperature	Water	
Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show excursions beyond the criterion from measurements collected in 2000, 2001 and 2002 at station 'Bumping River at Cedar Spring CG' (River Mile 4.5).												
38	17214	5	N	COWICHE CREEK	AR69RI	0.325	13N	18E	09	4,4'-DDE	Tissue	
Davis et al. 1998. show the National Toxic Rule criterion was exceeded a composite of 5 fillets of Oncorhynchus mykiss collected on 9/25/1995 at station COWCAPR (COWICHE CREEK NORTHWEST OF YAKIMA).												
Davis et al. 1998. show no excursions beyond the National Toxic Rule criterion in a composite of 5 fillets of Oncorhynchus mykiss collected on 9/25/1995.												
Davis et al. 1998. show no excursions beyond the National Toxic Rule criterion in a composite of 5 fillets of Oncorhynchus mykiss collected on 9/25/1995 at station COWCAPR (COWICHE CREEK NORTHWEST OF YAKIMA).												
38	8319	5	Y	COWICHE CREEK	AR69RI	8.631	13N	17E	11	Fecal Coliform	Water	
Hallock (2004), Dept. of Ecology ambient station 38G120 shows a geometric mean of 209.8 exceeded the criterion in year 2002; and 4 of 9 samples (44.4%) in year 2002 exceeded the percentile criterion.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 38G120 (COWICHE CR @ ZIMMERMAN RD) shows a geometric mean of 81 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 3 samples collected during 2000.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 38G120 (COWICHE CR @ ZIMMERMAN RD) shows a geometric mean of 119 exceeds the criterion and that 44% of the samples exceeds the percentile criterion from 9 samples collected during 2001.												
Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show samples collected exceed the percental criteria at station CAN in 1995.												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks	
38	8320	5	Y	COWICHE CREEK	AR69RI	8.631	13N	17E	11	Temperature	Water	This waterbody was listed for temperature in 1998 and is of a temperature TMDL study for the Naches River Watershed.	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 38G120 (COWICHE CR @ ZIMMERMAN RD) shows 3 excursions beyond the criterion out of 12 samples collected in 2001.									
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 38G120 (COWICHE CR @ ZIMMERMAN RD) shows 0 excursions beyond the criterion out of 6 samples collected between 1993 - 2001.									
				Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show 11 excursions beyond the criterion in 1995.									
38	8322	5	Y	COWICHE CREEK, N.F.	TY98TL	8.311	14N	17E	18	Fecal Coliform	Water		
				Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show samples collected exceed the geometric mean criteria in 1995.									
38	8323	5	Y	COWICHE CREEK, N.F.	TY98TL	0	13N	17E	03	Fecal Coliform	Water		
				Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show sample collected exceed both criteria near the N.F. mouth in 1995.									
38	8321	5	Y	COWICHE CREEK, N.F.	TY98TL	8.311	14N	17E	18	Temperature	Water	This waterbody was listed for temperature in 1998 and is of a temperature TMDL study for the Naches River Watershed.	
				Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show 26 excursions beyond the criterion in 1995.									
38	8324	5	Y	COWICHE CREEK, N.F.	TY98TL	0	13N	17E	03	Temperature	Water	This waterbody was listed for temperature in 1998 and is of a temperature TMDL study for the Naches River Watershed.	
				Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show 20 excursions beyond the criterion in 1995.									
38	8326	5	Y	COWICHE CREEK, S.F.	VD04IL	8.54	14N	16E	35	Fecal Coliform	Water		
				Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show sample collected exceed the geometric mean criterion in 1995.									
38	8327	5	Y	COWICHE CREEK, S.F.	VD04IL	0	13N	17E	03	Fecal Coliform	Water		
				Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show samples collected exceed both criteria near the S.F. mouth in 1995.									
38	8318	5	Y	COWICHE CREEK, S.F.	VD04IL	23.519	13N	15E	22	Temperature	Water	This waterbody was listed for temperature in 1998 and is of a temperature TMDL study for the Naches River Watershed.	
				Mattews, 1992. , shows 7-day means of daily maximums of 17.9 at station CW1 during 1990 and 1991.									

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	
				Basis						Remarks		
part	38	8325	5	Y	COWICHE CREEK, S.F.	VD04IL	0	13N	17E	03	Temperature	Water
	Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show 21 excursions beyond the criterion in 1995.										This waterbody was listed for temperature in 1998 and is	
											of a temperature TMDL study for the Naches River Watershed.	
part	38	8328	5	Y	COWICHE CREEK, S.F.	VD04IL	8.54	14N	16E	35	Temperature	Water
	Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show 20 excursions beyond the criterion in1995.										This waterbody was listed for temperature in 1998 and is	
											of a temperature TMDL study for the Naches River Watershed.	
part	38	8329	5	Y	CROW CREEK	TL45HC	0	18N	14E	30	Temperature	Water
	42 excursions beyond the criterion sampled by Wenatchee National Forest above the campground in 1991 and 1992 (submitted by Bella Patheal of EPA on 12/1/95).										This waterbody was listed for temperature in 1998 and is	
	Scholz, 1999, shows a 7-day mean of maximum daily temperature of 17.6 degrees C, with a maximum daily temperature of 18.4 degrees C from continuous measurements collected in 1998 at Crow Creek near mouth.										of a temperature TMDL study for the Naches River Watershed.	
part	38	8330	5	Y	GOLD CREEK	CR82VL	0.224	17N	14E	36	Temperature	Water
	Yakama Indian Nation Tribal data (submitted by Carrol Palmer on 8/10/93) show multiple excursions beyond the criterion between1990 and 1992.										This waterbody was listed for temperature in 1998 and is	
											of a temperature TMDL study for the Naches River Watershed.	
part	38	8331	5	Y	LITTLE NACHES RIVER	JR85ZB	0	17N	14E	04	Temperature	Water
	Scholz, 1999, shows a 7-day mean of maximum daily temperature of 26.7 degrees C, with a maximum daily temperature of 32.7 degrees C from continuous measurements collected in 1998 at Little Naches River at 410 bridge.										This waterbody was listed for temperature in 1998 and is	
	Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show excursions beyond the criterion from measurements collected in 2001 and 2002 at station 'Little Naches river at Hwy 410' (River Mile 0).										of a temperature TMDL study for the Naches River Watershed.	
part	38	8332	5	Y	LITTLE NACHES RIVER	JR85ZB	19.691	19N	13E	31	Temperature	Water
	Numerous excursions beyond the criterion sampled by Wenatchee National Forest at the station just downstream of the confluence of the Middle and North Forks between 1991 and 1994 (submitted by Bella Patheal of EPA on 12/1/95) .										This waterbody was listed for temperature in 1998 and is	
											of a temperature TMDL study for the Naches River Watershed.	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks	
38	8333	5	Y	LITTLE NACHES RIVER Sullivan, et al. 1990 , 16 excursions beyond the criterion during 8/88.;	JR85ZB	2.559	18N	14E	32	Temperature	Water	Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	
38	40755	5	N	LITTLE NACHES RIVER Scholz, 1999, shows a 7-day mean of maximum daily temperature of 24.7 degrees C, with a maximum daily temperature of 29 degrees C from continuous measurements collected in 1998 at Little Naches River above Bear Creek.	JR85ZB	16.936	18N	13E	05	Temperature	Water	WRIA changed from 99 to 38. 12/01/04 -kk	
38	40757	5	N	LITTLE NACHES RIVER Scholz, 1999, shows a 7-day mean of maximum daily temperature of 23.2 degrees C, with a maximum daily temperature of 27.8 degrees C from continuous measurements collected in 1998 at Little Naches River above SF Little Naches.	JR85ZB	14.577	18N	13E	09	Temperature	Water	WRIA changed from 99 to 38. 12/01/04 -kk	
38	40762	5	N	LITTLE NACHES RIVER Scholz, 1999, shows a 7-day mean of maximum daily temperature of 20.3 degrees C, with a maximum daily temperature of 20.9 degrees C from continuous measurements collected in 1998 at Little Naches River above Quartz Creek.	JR85ZB	4.749	18N	14E	30	Temperature	Water	WRIA changed from 99 to 38. 12/01/04 -kk	
38	40763	5	N	LITTLE NACHES RIVER Scholz, 1999, shows a 7-day mean of maximum daily temperature of 19.9 degrees C, with a maximum daily temperature of 20.8 degrees C from continuous measurements collected in 1998 at Little Naches River above Pileup and Sand Creek.	JR85ZB	10.072	18N	13E	14	Temperature	Water	WRIA changed from 99 to 38. 12/01/04 -kk	
38	40770	5	N	LITTLE NACHES RIVER, N.F. Scholz, 1999, shows a 7-day mean of maximum daily temperature of 17.5 degrees C, with a maximum daily temperature of 18.6 degrees C from continuous measurements collected in 1998 at North Fork Little Naches River.	VR66RV	0	19N	12E	36	Temperature	Water	WRIA changed from 99 to 46. 12/01/04 -kk WRIA changed from 46 to 38. 05/10/05 -kk	
part	38	8334	5	Y	LITTLE RATTLESNAKE CREEK Yakama Indian Nation Tribal data (submitted by Carrol Palmer on 8/10/93) show multiple excursions beyond the criterion between1990 and 1992.	FD68UD	1.556	15N	15E	01	Temperature	Water	This waterbody was listed for temperature in 1998 and is of a temperature TMDL study for the Naches River Watershed.
part	38	8335	5	Y	MATHEW CREEK Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show 27 excursions beyond the criterion (at stations MATH1 and MATH10) between 1993 and 1995.	LW85BJ	0.213	18N	13E	10	Temperature	Water	This waterbody was listed for temperature in 1998 and is of a temperature TMDL study for the Naches River Watershed.
	38	40775	5	N	MATHEW CREEK Scholz, 1999, shows a 7-day mean of maximum daily temperature of 16.8 degrees C, with a maximum daily temperature of 18 degrees C from continuous measurements collected in 1998 at Mathew Creek.	LW85BJ	0	18N	13E	09	Temperature	Water	WRIA changed from 99 to 38. 12/03/04 -kk

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
38	8913	5	Y	MYRON LAKE Pelletier, et al. 1990. shows 6 excursions beyond the criterion near the bottom from samples collected during 1988	130UZL	13N	18E	10	Ammonia-N		Water	
38	6735	5	Y	NACHES RIVER Hallock (2004), Dept. of Ecology ambient station 38A050 shows that 1 of 9 samples exceed the criterion. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 38A050 (NACHES RIVER AT YAKIMA ON US HWY 97) shows 2 excursions beyond the criterion out of 5 samples collected between 1993 - 2001. U.S.Geological Survey data from NWIS database station 12499000 (near North Yakima) shows 14 excursions beyond the criterion out of 57 samples collected between 7/1/87 and 7/1/91.	NK19LR	0	13N	18E	12	pH	High pH	Water
38	8338	5	Y	NILE CREEK, N.F. Yakama Indian Nation Tribal data (submitted by Carrol Palmer on 8/10/93) show multiple excursions beyond the criterion between1990 and 1992.	IN37QB	4.926	16N	15E	03	Temperature	This waterbody was listed for temperature in 1998 and is of a temperature TMDL study for the Naches River Watershed.	Water
38	8339	5	Y	RATTLESNAKE CREEK 2 excursions beyond the criterion at USGS station 12489100 (above North Fork near Nile) between7/1/87 and 7/1/91 Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show excursions beyond the criterion from measurements collected in 2000 and 2002 at station 'Rattlesnake Creek at FS Road 1502' (River Mile 5).	MB08QY	11.838	15N	14E	10	Temperature	This waterbody was listed for temperature in 1998 and is of a temperature TMDL study for the Naches River Watershed.	Water
38	8340	5	Y	RATTLESNAKE CREEK Numerous excursions beyond the criterion sampled by Wenatchee National Forest station (submitted by Bella Patheal of EPA on 12/1/95) at the National Forest Boundary between1991 and 1992.	MB08QY	2.269	15N	15E	09	Temperature	This waterbody was listed for temperature in 1998 and is of a temperature TMDL study for the Naches River Watershed.	Water
38	8341	5	Y	REYNOLDS CREEK Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show 6 excursions beyond the criterion at two nearby locations (both at T13N-R15E-S15) in 1994.	BI05EL	3.755	13N	15E	15	Temperature	This waterbody was listed for temperature in 1998 and is of a temperature TMDL study for the Naches River Watershed.	Water
38	39334	5	Y	TIETON RIVER, S.F. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show excursions beyond the criterion from measurements collected in 2000, 2001 and 2002 at station 'Upper Tieton River at FS Road 1010' (River Mile 1.5).	NV27KW	3.804	13N	13E	13	Temperature		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks
39	8343	5	Y	BIG CREEK Yakama Indian Nation Tribal data (submitted by Carrol Palmer on 8/10/93) show multiple excursions beyond the criterion between1990 and 1992.	OY16AG	2.03	20N	14E	29	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
39	8345	5	Y	CABIN CREEK Numerous excursions beyond the criterion sampled at the National Forest Boundary by Wenatchee National Forest between 1989 and 1994 (submitted by Bella Patheal of EPA on 12/1/95) .	CX24KB	0	20N	13E	09	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
39	8347	5	Y	CLE ELUM RIVER 26 excursions beyond the criterion at the mouth to Cle Elum Lake sampled by Wenatchee National Forest in 1993 (submitted by Bella Patheal of EPA on 12/1/95) .	XN92GU	12.635	20N	14E	10	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
39	39335	5	N	CLE ELUM RIVER Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show excursions beyond the criterion from measurements collected in 2000, 2001 and 2002 at station 'Cle Elum River abv French Cabin Creek' (River Mile 0.5).	XN92GU	25.268	22N	14E	32	Temperature	Water	
39	8350	5	Y	COOKE CREEK Joy, 1988. 2 excursions beyond the criterion at Cooke Creek RM 0.8 on 8/18/87 and 8/19/87. Department of Ecology unpublished data from EMAP station WA798S (COOKE CREEK (WA798S)) shows excursions beyond the criterion from measurements made in 1994.	SZ58XV	3.353	17N	19E	11	Dissolved oxygen	Water	During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues
to												
39	8349	5	Y	COOKE CREEK Yakama Indian Nation Tribal data (submitted by Carrol Palmer on 8/10/93) show multiple excursions beyond the criterion between1990 and 1992.	SZ58XV	24.145	19N	20E	20	Temperature	Water	TRS was 19N-20E-19 on 1998 list. -kk Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks
39	35358	5	N	COOKE CREEK	SZ58XV	0	17N	19E	21	Temperature	Water	
				Kittitas County Conservation District unpublished data (submitted by Greg Bohn (CRO) on 6 March 2003) show excursions beyond the criterion from measurements collected in 1999, 2000 and 2002 at station CK-5 (Cooke Creek at South Ferguson Road).								
39	8352	5	Y	COOPER RIVER	WX84IT	0	22N	14E	16	Temperature	Water	
				21 excursions beyond the criterion sampled at the mouth by Wenatchee National Forest in 1994 (submitted by Bella Patheal of EPA on 12/1/95) .								
				Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.								
39	6924	5	N	CURRIER CREEK	YA42PC	11.722	19N	18E	26	Fecal Coliform	Water	
				U.S. Bureau of Reclamation station YAV328 (Currier Creek at North Branch Canal) shows a geometric mean of 1018 exceeds the criterion and that 100% of the samples exceeds the percentile criterion from 8 samples collected during 1999.								
39	8355	5	Y	GALE CREEK	RZ54RL	0	22N	13E	32	Temperature	Water	
				31 excursions beyond the criterion sampled at the mouth by Wenatchee National Forest in 1994 (submitted by Bella Patheal of EPA on 12/1/95) .								
				Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.								
39	8357	5	Y	IRON CREEK	YW62RW	0.059	21N	17E	03	Temperature	Water	
				Yakama Indian Nation Tribal data (submitted by Carrol Palmer on8/10/93) show multiple excursions beyond the criterion between1990 and 1992.								
				Errantly listed as Category 4B, returned to Category 5. This Iron Creek is not the Iron Creek associated with Yellowjacket Creek, Greenhorn Creek, Iron Creek, and Woods Creek								
				Quality Restoration Plan (2004). 01/05/05 -kk								
39	43128	5	N	KEECHELUS LAKE	345ZAS	21N	11E	12		Dioxin	Tissue	
				USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Rule criterion in Mountain Whitefish composite samples collected on 08/20/2001 at location (N.E. End Near Inlet).								
39	43146	5	N	KEECHELUS LAKE	345ZAS	21N	11E	12		Total PCBs	Tissue	
				USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Rule criterion in Mountain Whitefish composite samples collected on 08/20/2001 at location (N.E. End Near Inlet).								
39	8358	5	Y	LOG CREEK	SP21BV	0	20N	13E	19	Temperature	Water	
				8 excursions beyond the criterion sampled at the mouth by Wenatchee National Forest between 1989 and 1990 (submitted by Bella Patheal of EPA on 12/1/95) .								
				Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.								

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
39	8359	5	N	LOOKOUT CREEK Mattews (1992) show a 7-day mean of daily maximums of 18.6 during 1990-1991.	HI56TE	0	19N	14E	21	Temperature		Water
39	8360	5	Y	MANASTASH CREEK, S.F. Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96)show 18 excursions beyond the criterion in 1994.	WW44PW	0	17N	17E	17	Temperature	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	Water
39	8361	5	Y	MANASTASH CREEK, S.F. Numerous excursions beyond the criterion sampled at the National Forest Boundary by Wenatchee National Forest in 1992 and 1994 (submitted by Bella Patheal of EPA on 12/1/95) .	WW44PW	14.54	18N	15E	36	Temperature	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	Water
39	8362	5	Y	MEADOW CREEK 12 excursions beyond the criterion sampled at National Forest Boundary by Wenatchee National Forest in 1994 (submitted by Bella Patheal of EPA on 12/1/95) .	CL02YY	1.251	21N	11E	13	Temperature	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	Water
39	7315	5	Y	NANEUM CREEK Yakama Indian Nation Tribal data (submitted by Carrol Palmer on 8/10/93) show multiple excursions beyond the criterion between1990 and 1992.	MA29CN	27.456	19N	19E	03	Temperature	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	Water
39	6921	5	N	REECER CREEK U.S. Bureau of Reclamation station YAV330 (Reecer Creek at North Branch Canal) shows a geometric mean of 907 exceeds the criterion and that 100% of the samples exceeds the percentile criterion from 5 samples collected during 1999.	HE34CQ	13.434	19N	18E	28	Fecal Coliform		Water
39	34864	5	N	SELAH DITCH Joy, 1990. show a geometric mean of 830 cfu/100mL from 2 samples collected in October 1988, and both samples exceed the percentile criterion.	UNK000	0	00U	000U	00	Fecal Coliform	WASWIS ID changed to UNK000 from DV19FG. TRS=13N-18E-01. 12/10/04 -kk	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium
										Remarks	
39	34865	5	N	SELAH DITCH	UNK000	0	00U	000U	00	Temperature	Water
numerous				Joy, 1990. show excursions beyond the criterion from samples collected in October 1988.						WASWIS ID changed to UNK000 from DV19FG. TRS=13N-18E-01. 12/10/04 -kk	
										Data submitted by G. Bohn ECY/CRO 2003 shows	
										excursions during TMDL-related study conducted August 01-November 02.	
39	7319	5	Y	SWAUK CREEK	EQ32WA	16.869	20N	17E	03	Temperature	Water
				Yakama Indian Nation Tribal data (submitted by Carrol Palmer on 8/10/93) show multiple excursions beyond the criterion between 1990 and 1992.						TRS was 20N-17E-01 on 1998 list. -kk	
										Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	
39	7320	5	Y	SWAUK CREEK	EQ32WA	13.397	20N	17E	15	Temperature	Water
				Yakama Indian Nation Tribal data (submitted by Carrol Palmer on8/10/93) show multiple excursions beyond the criterion between1990 and 1992.						Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	
39	39337	5	N	SWAUK CREEK	EQ32WA	21.768	21N	17E	22	Temperature	Water
				Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show excursions beyond the criterion from measurements collected in 2000, 2001 and 2002 at station 'Swauk Creek at Mineral Springs' (River Mile 13.5).							
39	7321	5	Y	TANEUM CREEK	WF36AI	0.577	18N	17E	04	Temperature	Water
				31 excursions beyond the criterion sampled at National Forest Boundary by Wenatchee National Forest in 1994 (submitted by Bella Patheal of EPA on 12/1/95) .						Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	
39	39338	5	N	TANEUM CREEK	WF36AI	12.945	19N	16E	28	Temperature	Water
				Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show excursions beyond the criterion from measurements collected in 2000, 2001 and 2002 at station 'Taneum Creek at Taneum CG' (River Mile 8.5).							

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium
				Basis						Remarks	
39	7322	5	Y	TANEUM CREEK, S.F. 8 excursions beyond the criterion sampled at the mouth by Wenatchee National Forest in 1994 (submitted by Bella Patheal of EPA on 12/1/95).	WJ69FI	1.047	19N	15E	27	Temperature	Water
										TRS was 19N-15E-26 on 1998 list. -kk Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	
39	8365	5	Y	THORP CREEK Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96)show 5 excursions beyond the criterion in 1995.	WA85GA	3.897	22N	13E	25	Temperature	Water
										Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	
39	8368	5	Y	WILLIAMS CREEK Yakama Indian Nation Tribal data (submitted by Carrol Palmer on 8/10/93) show multiple excursions beyond the criterion between1990 and 1992.	BI77WY	1.621	20N	17E	02	Temperature	Water
										Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	
39	10047	5	N	WILSON CREEK Joy (2002). Station YAK-48 (WILSON CR (WILSON)) shows the geometric mean of 161 exceeds the criterion and that 50% of the samples exceeds the percentile criterion from 10 samples collected during 1999.	PY59BF	1.493	17N	19E	30	Fecal Coliform	Water
39	8346	5	Y	WILSON CREEK Joy (2002) station 17-WIL (WILSON CR AT CANYON RD) shows 4 excursions beyond the criterion measured on these dates: 99/06/15, 99/06/15, 99/07/12, 99/07/12, 99/07/26, 99/07/26, 99/08/10, 99/08/10, Hallock (2001) Dept. of Ecology Ambient Monitoring Station 39C070 (Wilson Cr @ Thrall) shows 0 excursions beyond the criterion out of 9 samples collected between 1993 - 2001 Johnson (2000) station 17-WIL (WILSON CR AT CANYON RD) shows 0 excursions beyond the criterion out of 6 samples collected between 03/99 - 01/00. Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show 4 excursions beyond the criterion in 1995.	PY59BF	1.493	17N	19E	30	Temperature	Water
										Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	
39	8369	5	Y	WILSON CREEK Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show 7 excursions beyond the criterion in 1995. Joy (2002) station YAK-48 (WILSON CR (WILSON)) shows 4 excursions beyond the criterion measured on these dates: 99/06/14, 99/07/28, 99/08/09, 99/08/24,	PY59BF	1.493	17N	19E	30	Temperature	Water
										Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
39	20182	5	N	YAKIMA RIVER	EB21AR	229.12	16N	19E	20	Chlordane		Tissue
					7							
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Rainbow Trout composite of 7 fillet with skin collected in 1996 at station 49-0 (River Mile 140.4) sample #96374730.								
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Rainbow Trout composite of 7 fillet with skin collected in 1996 at station 49-0 (River Mile 140.4) sample #96374731.								
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Rainbow Trout composite of 7 fillet with skin collected in 1996 at station 49-0 (River Mile 140.4) sample #96374732.								
				EVS Environmental Consultants (2000) show no excursions beyond the National Toxic Rule criterion from Largescale Sucker composite of 5 fillet with skin collected in 1996 at station 49-0 (River Mile 140.4) sample #96374796.								
				EVS Environmental Consultants (2000) show no excursions beyond the National Toxic Rule criterion from Largescale Sucker composite of 5 fillet with skin collected in 1996 at station 49-0 (River Mile 140.4) sample #96374797.								
				EVS Environmental Consultants (2000) show no excursions beyond the National Toxic Rule criterion from Largescale Sucker composite of 5 fillet with skin collected in 1996 at station 49-0 (River Mile 140.4) sample #96374798.								
39	34889	5	N	YAKIMA RIVER	EB21AR	229.12	16N	19E	20	Dioxin		Tissue
					7							
				EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule criterion from a Rainbow Trout composite of 7 fillet with skin collected in 1996 at station 49- sample #96374731.								
				EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule criterion from a Largescale Sucker composite of 5 fillet with skin collected in 1996 at station 49- sample #96374796.								
				EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule criterion from a Largescale Sucker composite of 5 fillet with skin collected in 1996 at station 49- sample #96374798.								
				EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule criterion from a Largescale Sucker composite of 5 fillet with skin collected in 1996 at station 49- sample #96374797.								
				EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule criterion from a Rainbow Trout composite of 7 fillet with skin collected in 1996 at station 49- sample #96374730.								
				EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule criterion from a Rainbow Trout composite of 7 fillet with skin collected in 1996 at station 49- sample #96374732.								
39	11225	5	Y	YAKIMA RIVER	EB21AR	310.31	20N	14E	36	Dissolved oxygen		Water
					9							
				Hallock (2003), Dept. of Ecology ambient station 39A090 shows a total of 5 samples in years 2002 and 2003 exceeded the criterion.								
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 39A090 (YAKIMA RIVER NEAR CLE ELUM) shows 8 excursions beyond the criterion out of 41 samples collected between 1993 - 2001 measured on these dates: 00/08/14, 00/09/04, 95/07/09, 95/08/06, 95/09/04, 96/07/07, 96/08/04, 97/09/15.								

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
39	11218	5	N	YAKIMA RIVER	EB21AR	198.09 6	14N	19E	30	pH		Water
				Hallock (2004), Dept. of Ecology ambient station 39A050 shows that 2 of 8 samples exceed the criterion.							High pH	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 39A050 (YAKIMA R @ HARRISON BRIDGE) shows 4 excursions beyond the criterion out of 11 samples collected between 1993 - 2001.								
39	3727	5	Y	YAKIMA RIVER	EB21AR	310.31 9	20N	14E	36	Temperature		Water
				Dept. of Ecology unpublished data from core ambient monitoring station 39A090 (Yakima R. near Cle Elum) shows a 7-day mean of daily maximum values of 20.9 for mid-week 14 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 39A090 (YAKIMA RIVER NEAR CLE ELUM) shows 1 excursions beyond the criterion out of 41 samples collected between 1993 - 2001								
				Joy (2002) station 39A090 (Yakima R. near Cle Elum) shows 0 excursions beyond the criterion out of 17 samples collected between 04/99 - 11/99.								
39	8370	5	Y	YAKIMA RIVER	EB21AR	330.41 1	20N	13E	10	Temperature		Water
				30 excursions beyond the criterion sampled at the mouth to Lake Easton by Wenatchee National Forest in 1994 (submitted by Bella Patheal of EPA on 12/1/95) .							Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	
39	20219	5	N	YAKIMA RIVER	EB21AR	229.12 7	16N	19E	20	Total PCBs		Tissue
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Largescale Sucker composite of 5 fillet with skin collected in 1996 at station 49-0 (River Mile 140.4) sample #96374796.								
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Largescale Sucker composite of 5 fillet with skin collected in 1996 at station 49-0 (River Mile 140.4) sample #96374797.								
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Largescale Sucker composite of 5 fillet with skin collected in 1996 at station 49-0 (River Mile 140.4) sample #96374798.								
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Rainbow Trout composite of 7 fillet with skin collected in 1996 at station 49-0 (River Mile 140.4) sample #96374730.								
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Rainbow Trout composite of 7 fillet with skin collected in 1996 at station 49-0 (River Mile 140.4) sample #96374731.								
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Rainbow Trout composite of 7 fillet with skin collected in 1996 at station 49-0 (River Mile 140.4) sample #96374732.								
40	40947	5	N	COLUMBIA RIVER	NN57SG	718.42	21N	22E	04	Temperature		Water
				Chelan County PUD station RIGW (Rock Island Tailrace) shows 28 excursions beyond criterion out of 151 days during 2001.							EPA has the lead in a temperature TMDL for the Columbia	
											Snakes Rivers that is underway.	

and

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
40	40948	5	N	COLUMBIA RIVER	NN57SG	719.34	21N	22E	05	Temperature		Water
				Chelan County PUD station RIS (Rock Island Forebay) shows 41 excursions beyond the criterion out of 163 days during 2001.							EPA has the lead in a temperature TMDL for the Columbia Snakes Rivers that is underway.	
41	40945	5	N	COLUMBIA RIVER	NN57SG	657.65	16N	23E	20	Temperature		Water
				Grant County PUD station WANW (Wanapum Tailrace) shows 57 excursions beyond the criterion in 2000, 62 excursions in 2001, 30 excursions in 2002, and 86 excursions in 2003.	5						EPA has the lead in a temperature TMDL for the Columbia Snakes Rivers that is underway.	
41	9638	5	N	CRAB CREEK	FU07MU	22.31	19N	28E	11	pH		Water
				Carroll et al. (2000) station CC0 (CRAB CREEK AT MOUTH TO MOSES LAKE) shows 3 excursions beyond the criterion out of 9 samples collected between 03/01 - 09/01.							High pH	
41	9639	5	N	CRAB CREEK	FU07MU	25.808	20N	28E	35	pH		Water
				U.S. Bureau of Reclamation station CBP061 (PARKERHORN AT 7NE CO RD) shows 6 excursions beyond the criterion out of 21 samples collected between 1993-1999								
41	9640	5	N	CRAB CREEK	FU07MU	31.816	20N	28E	15	pH		Water
				Carroll et al. (2000) station CC1 (CRAB CREEK NEAR MOSES LAKE (USGS GAGE)) shows 3 excursions beyond the criterion out of 7 samples collected between 03/01 - 09/01.							High pH	
41	9642	5	N	CRAB CREEK	FU07MU	45.045	21N	28E	18	pH		Water
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 41A110 (CRAB CREEK NEAR MOSES LAKE) shows 2 excursions beyond the criterion out of 17 samples collected between 1993 - 2001								
41	9644	5	Y	CRAB CREEK	FU07MU	22.31	19N	28E	11	Temperature		Water
				Carroll et al. (2000) station CC2 (CRAB CREEK AT STRATFORD ROAD) shows 4 excursions beyond the criterion out of 6 samples collected between 03/01 - 09/01.								
41	9642	5	N	CRAB CREEK	FU07MU	45.045	21N	28E	18	pH		Water
				Carroll et al. (2000) station CC4 (CRAB CREEK AT ROAD 16) shows 3 excursions beyond the criterion out of 7 samples collected between 03/01 - 09/01.							High pH	
41	9644	5	Y	CRAB CREEK	FU07MU	22.31	19N	28E	11	Temperature		Water
				Carroll et al. (2000) station CC0 (CRAB CREEK AT MOUTH TO MOSES LAKE) shows 1 excursions beyond the criterion measured on these dates: 01/07/31,								
41	9644	5	Y	CRAB CREEK	FU07MU	22.31	19N	28E	11	Temperature		Water
				U.S. Bureau of Reclamation station CBP061 (PARKERHORN AT 7NE CO RD) shows 6 excursions beyond the criterion measured on these dates: 93/07/26, 95/05/23,								

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
41	8385	5	N	CRAB CREEK LATERAL U.S. Bureau of Reclamation station CBP030 (CRAB CR LAT AT CRAB CR WW) shows 5 excursions beyond the criterion out of 27 samples collected between 1993-1999. 1 excursion beyond the criterion at USGS station 12472380 (at Royal Lake near Othello) on 3/31/93.	QF71NO	0.754	16N	28E	18	pH		Water
41	16143	5	N	DE55 WASTEWAY U.S. Bureau of Reclamation station EID009 (DE 55 AND DE 49 BELOW CONFLUENCE) shows 3 excursions beyond the criterion out of 4 samples collected between 1993-1999	RX99AF	0.209	18N	30E	35	pH	High pH	Water
41	16144	5	N	EL 63.8 WASTEWAY U.S. Bureau of Reclamation station EID011 (EL 63.8 WASTEWAY BLW CONF EL63.8WW2) shows 3 excursions beyond the criterion out of 4 samples collected between 1993-1999	ON81WC	12.775	16N	29E	15	pH	High pH	Water
41	43265	5	N	FRENCHMAN HILLS LAKE USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Rule criterion in Largemouth Bass composite samples collected on 10/20/1999 at location (Frenchman Hills Lake).	695YQF		17N	26E	08	Dieldrin		Tissue
41	16148	5	N	FRENCHMAN HILLS WASTEWAY U.S. Bureau of Reclamation station CBP062 (FRENCHMAN HILLS WW AT GAGING STA) shows 4 excursions beyond the criterion out of 22 samples collected between 1993-1999; U.S.Geological Survey data from NWIS database station 12471090 (on SE C Road near Moses Lake) shows 3 excursions beyond the criterion out of 39 samples collected between 1991 and 1995.	AR96YO	13.496	17N	27E	09	pH	High pH	Water
41	8389	5	Y	FRENCHMAN HILLS WASTEWAY 9 excursions beyond the criterion at USGS station 12471090 (on SE C Road near Moses Lake) during 1992, 1993, and 1994. U.S. Bureau of Reclamation station CBP062 (FRENCHMAN HILLS WW AT GAGING STA) shows 7 excursions beyond the criterion measured on these dates: 93/06/02, 93/07/14,	AR96YO	13.496	17N	27E	09	Temperature		Water
41	42533	5	N	LIND COULEE Hallock (2004), Dept. of Ecology ambient station 41J070 shows 2 of 9 samples (22.2%) in year 2003 exceeded the percentile criterion.	WZ45YS	10.448	18N	29E	35	Fecal Coliform		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
41	6737	5	Y	LIND COULEE Hallock (2004), Dept. of Ecology ambient station 41J070 shows that 3 of 12 samples exceed the criterion. U.S.Geological Survey data from NWIS database station 12471400 (at SR 17 near Warden) shows 9 excursions beyond the criterion out of 178 samples collected between 1991 and 2001. U.S. Bureau of Reclamation station CBP011 (LIND COULEE AT RT 17XING) shows 4 excursions beyond the criterion out of 20 samples collected between 1993-1999.	WZ45YS	10.448	18N	29E	35	pH		Water
41	8392	5	Y	LIND COULEE 5 excursions beyond the criterion at USGS station 12471400 (at SR 17 near Warden) during 1992, 1993 and 1994. U.S. Bureau of Reclamation station CBP011 (LIND COULEE AT RT 17XING) shows 4 excursions beyond the criterion measured on these dates: 93/07/26, 96/07/09,	WZ45YS	10.448	18N	29E	35	Temperature		Water
41	8955	5	Y	LOWER CRAB CREEK Davis and Johnson, 1994. excursions beyond the criterion of edible fish tissue (Mountain Whitefish fillet) samples collected on 9/15/92 near Hwy 243.	WR93CG	0	15N	23E	03	4,4'-DDE	The sample medium was incorrectly listed as "water" in the 1998 303(d) list.	Tissue
41	8374	5	N	LOWER CRAB CREEK Hallock (2004), Dept. of Ecology ambient station 41A070 shows that 5 of 30 samples exceed the criterion. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 41A070 (CRAB CREEK NEAR BEVERLY) shows 13 excursions beyond the criterion out of 49 samples collected between 1993 - 2001. 1 excursion beyond the criterion at USBR station CBP072 (at Crab Creek Road) on 5/20/92.	WR93CG	8.303	16N	24E	33	pH	Changed from Category 2 to Category 5 on 01/18/05 due to consolidation with Listing ID 11248. -kk	Water
41	16147	5	N	LOWER CRAB CREEK U.S. Bureau of Reclamation station CBP036 (LOWER CRAB CK ABV CONF RED ROCK COULEE) shows 4 excursions beyond the criterion out of 4 samples collected between 1993-1999	WR93CG	29.231	16N	26E	28	pH	High pH	Water
41	16154	5	N	LOWER CRAB CREEK U.S. Bureau of Reclamation station CBP072 (LOWER CRAB CR AT CRAB CR RD) shows 7 excursions beyond the criterion out of 20 samples collected between 1993-1999	WR93CG	0.764	15N	23E	03	pH	High pH	Water
41	16155	5	N	LOWER CRAB CREEK U.S. Bureau of Reclamation station CBP079 (LOWER CRAB CR AT MCMANNAN RD) shows 9 excursions beyond the criterion out of 21 samples collected between 1993-1999	WR93CG	57.426	16N	28E	09	pH	High pH	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Remarks	Medium	
				Basis								
a	41	8378	5	Y	LOWER CRAB CREEK	WR93CG	0	15N	23E	03	Temperature	Water
	4 excursions beyond the criterion at USGS station 12472600 (mouth near Beverly) during 1992, 1993, and 1994.											
	41	8379	5	N	LOWER CRAB CREEK	WR93CG	8.303	16N	24E	33	Temperature	Water
	Dept. of Ecology unpublished data from core ambient monitoring station 41A070 (Crab Cr. near Beverly) shows a 7-day mean of daily maximum values of 28 for mid-week 13 August 2001.											
	Hallock (2001) Dept. of Ecology Ambient Monitoring Station 41A070 (CRAB CREEK NEAR BEVERLY) shows 7 excursions beyond the criterion out of 49 samples collected between 1993 - 2001.											
Davis, 1993, 1 excursion beyond the criterion at 1st bridge on Crab Creek Road on 5/30/92.												
41	8953	5	Y	LOWER CRAB CREEK	WR93CG	0	15N	23E	03	Total PCBs	Tissue	
Davis and Johnson, 1994. excursions beyond the criterion of edible fish tissue (Mountain Whitefish fillet) samples collected on 9/15/92 near Hwy 243.												
41	42434	5	N	MOSES LAKE	995AYH	47119B3A2	47.105		119.325	2,3,7,8-TCDD	Tissue	
Seiders, 2004. shows the National Toxics Rule criterion was exceeded in Rainbow trout fillet samples collected 10/23/2002.												
41	42171	5	N	MOSES LAKE	995AYH	47119B3A2	47.105		119.325	Total PCBs	Tissue	
Seiders, 2004. shows the National Toxics Rule criterion was exceeded in Largemouth bass and Rainbow trout fillet samples collected 10/23/2002.												
41	42782	5	N	MOSES LAKE	995AYH	47119B3B1	47.115		119.315	Total Phosphorus	Water	
Department of Ecology TMDL Assessment, station ML4 (SOUTH END OF PARKER HORN) shows in 2001, 0 of 5 epilimnion samples collected (sampling dates: 5/30/01; 7/2/01; 8/1/01; 8/29/01; 9/26/01) exceeded the Phosphorus Action Value of 50ug/L established by Carroll, et. al., 2000.												
Department of Ecology Lake Database, station 1 shows in 2000, 1 of 4 epilimnion samples collected by Department of Ecology (sampling dates: 6/28/00; 7/19/00; 8/30/00; 9/27/00) exceeded the Phosphorus Action Value established by Carroll, et. al., 2000. (Ecology Publication No. 00-03-036).												
Department of Ecology Lake Database, station 1 shows in 1998, 3 of 4 epilimnion samples collected by Department of Ecology (sampling dates: 6/17/98; 7/15/98; 8/12/98; 9/16/98) exceeded the Phosphorus Action Value of 50ug/L established by Carroll, et. al., 2000. (Ecology Publication No. 00-03-036).												
41	11232	5	N	MOSES LAKE OUTLET	833WBK	47119A3I3	47.085		119.335	pH	Water	
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 41H050 (MOSES LAKE AT SOUTH OUTLET) shows 3 excursions beyond the criterion out of 3 samples collected between 1993 - 2001												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
41	16151	5	N	PE 16.4 M12 WASTEWAY U.S. Bureau of Reclamation station EID017 (PE 16.4M12 WASTEWAY AT FU 223 BLK 49) shows 4 excursions beyond the criterion out of 4 samples collected between 1993-1999	BJ83CP	0	15N	28E	07	pH	High pH	Water
41	8945	5	Y	POTHOLES RESERVOIR Serdar, et al. 1994. excursions beyond the criterion in edible fish tissue (Largemouth Bass) collected from station 358553 (300m off of mouth of Lind Coulee Spillway) on 6/8/92.	833WBK	46119J1J7	46.995	119.175		Dieldrin		Tissue
41	8946	5	Y	POTHOLES RESERVOIR Serdar, et al. 1994. excursions beyond the criterion in edible fish tissue (Lake Whitefish) collected from station 358551 (400m off of mouth of Frenchman Hills Wasteway) on 6/8/92.	833WBK	46119J3I4	46.985	119.345		Dieldrin		Tissue
41	16157	5	N	RBC WASTEWAY U.S. Bureau of Reclamation station CBP109 (RBC WASTEWAY AT LOWER CRAB CK RD S35 T16N R23E) shows 12 excursions beyond the criterion out of 27 samples collected between 1993-1999	PE38ZZ	0	16N	23E	35	pH	High pH	Water
41	16145	5	N	RCD WASTEWAY U.S. Bureau of Reclamation station CBP008 (RCD WW AT OSULLIVAN RD XING) shows 4 excursions beyond the criterion out of 21 samples collected between 1993-1999	LK87EA	2.105	18N	29E	31	pH	High pH	Water
41	17230	5	N	REDROCK LAKE Davis et al. 1998. show the National Toxic Rule criterion was exceeded a composite of 5 fillets of Micropterus salmoides collected on 9/13/1995 at station REDRLRC (REDROCK LAKE SOUTHEAST OF ROYAL CITY).	313FEZ	16N	26E	17		4,4'-DDE		Tissue
41	17231	5	N	REDROCK LAKE Davis et al. 1998. show the National Toxic Rule criterion was exceeded a composite of 5 fillets of Micropterus salmoides collected on 9/13/1995 at station REDRLRC (REDROCK LAKE SOUTHEAST OF ROYAL CITY).	313FEZ	16N	26E	17		Dieldrin		Tissue
41	11245	5	N	ROCKY COULEE WASTEWAY Hallock (2001) Dept. of Ecology Ambient Monitoring Station 41G070 (ROCKY COULEE WASTEWAY @ K NE) shows 3 excursions beyond the criterion out of 6 samples collected between 1993 - 2001 U.S. Bureau of Reclamation station EID003 (ROCKY COULEE WASTEWAY AT BROADWAY EXTENDED) shows 4 excursions beyond the criterion out of 4 samples collected between 1993-1999	SF91XC	0.948	19N	28E	01	pH	High pH	Water
41	16150	5	N	ROCKY COULEE WASTEWAY U.S. Bureau of Reclamation station EID005 (ROCKY COULEE DRAIN AT HWY 17) shows 4 excursions beyond the criterion out of 4 samples collected between 1993-1999	LK87EA	13.072	19N	28E	36	pH	High pH	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium		
				Basis										
41	8395	5	Y	ROCKY FORD CREEK	RC52FG	23.836	20N	27E	05	Dissolved oxygen		Water		
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 41D070 (ROCKY FORD CREEK AT HWY 17) shows 2 excursions beyond the criterion out of 6 samples collected between 1993 - 2001 measured on these dates: 00/11/12, 00/12/10,														
Carroll et al. (2000) station RF1A (ROCKY FORD CREEK @ HWY17) shows 1 excursions beyond the criterion measured on this date: 01/09/24.														
2 excursions at USGS station 12470600 (at SR 17 near Ephrata) on 11/18/91 and 3/2/92.														
U.S. Bureau of Reclamation station CBP060 (ROCKY FORD CR AT RT 17) shows 5 excursions beyond the criterion measured on these dates: 93/01/25, 93/06/02, 98/02/23, 98/07/01, 98/10/28.														
Cusimano (1998) station ROC6 (ROCKY FORD CR AT OLD HWY 17 BRIDGE) shows 2 excursions beyond the criterion measured on these dates: 97/08/20, 97/11/04.														
41	15077	5	N	ROCKY FORD CREEK	RC52FG	33.182	21N	27E	16	Dissolved oxygen		Water		
Carroll et al. (2000) station RF2 (ROCKY FORD CREEK AT OLD USGS GAGE) shows 5 excursions beyond the criterion measured on these dates: 01/05/29, 01/06/26, 01/07/31, 01/08/28, 01/09/24,											According to Carroll (ECY/EAP 2003), a review of monitoring studies for dissolved oxygen exceedances indicate that this water is impaired.			
Carroll et al. (2000) station RF2A (ROCKY FORD CREEK BELOW TROUTLODGE) shows 1 excursions beyond the criterion measured on these dates: 01/09/24,														
Cusimano (1998) station FSH2 (ROCKY FORD CR B/L TRTLG I FISH HTCHRY) shows 2 excursions beyond the criterion measured on these dates: 97/08/20, 97/11/04,														
Cusimano (1998) station ROC3 (ROCKY FORD CR A/B TRTLG II FISH HTCHRY) shows 2 excursions beyond the criterion measured on these dates: 97/08/20, 97/11/04,														
41	15092	5	N	ROCKY FORD CREEK	RC52FG	21.961	20N	27E	08	pH		Water		
Cusimano (1998) station ROC8 (ROCKY FORD CR AT BARRIER DAM) shows 1 excursions beyond the criterion out of 2 samples collected between 08/97 - 06/99.											High pH			
Cusimano (1998) station ROC7 (ROCKY FORD CR A/B DETENTION POND) shows 1 excursions beyond the criterion out of 2 samples collected between 08/97 - 06/99.														
Carroll et al. (2000) station RF0 (ROCKY FORD CREEK BELOW ABATEMENT DAM) shows 3 excursions beyond the criterion out of 10 samples collected between 03/01 - 09/01.														
Carroll et al. (2000) station RF1 (ROCKY FORD CREEK ABOVE ABATEMENT POND) shows 0 excursions beyond the criterion out of 5 samples collected between 03/01 - 09/01.														

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
41	8397	5	Y	ROCKY FORD CREEK Hallock (2001) Dept. of Ecology Ambient Monitoring Station 41D070 (ROCKY FORD CREEK AT HWY 17) shows 2 excursions beyond the criterion out of 6 samples collected between 1993-2001 measured on these dates: 01/05/13, 01/06/10. Carroll et al. (2000) station RF1A (ROCKY FORD CREEK @ HWY17) shows 1 excursions beyond the criterion measured on this date: 01/09/24. Cusimano (1998) station ROC6 (ROCKY FORD CR AT OLD HWY 17 BRIDGE) shows 1 excursions beyond the criterion measured on this date: 97/08/20. 2 excursions beyond the criterion at USGS 12470600 (at SR 17 near Ephrata) on 7/13/92 and 6/29/94. U.S. Bureau of Reclamation station CBP060 (ROCKY FORD CR AT RT 17) shows 8 excursions beyond the criterion measured on these dates: 93/06/02, 93/07/19.	RC52FG	23.836	20N	27E	05	Temperature		Water
41	17217	5	N	ROYAL LAKE Davis et al. 1998. show the National Toxic Rule criterion was exceeded a composite of 5 fillets of Micropterus dolomieu collected on 9/13/1995 at station ROYALLO (ROYAL LAKE NORTHWEST OF OTHELLO).	000BAA	00U	XXU	00		4,4'-DDE		Tissue
41	17218	5	N	ROYAL LAKE Davis et al. 1998. show the National Toxic Rule criterion was exceeded a composite of 5 fillets of Micropterus dolomieu collected on 9/13/1995 at station ROYALLO (ROYAL LAKE NORTHWEST OF OTHELLO).	000BAA	00U	XXU	00		Dieldrin		Tissue
41	6738	5	N	SAND HOLLOW CREEK U.S.Geological Survey data from NWIS database station 12464606 (near Vantage) shows 8 excursions beyond the criterion out of 43 samples collected between1992 and 1997.	DI77OE	2.472	17N	23E	27	pH	High pH	Water
41	8398	5	Y	SAND HOLLOW CREEK 7 excursions beyond the criterion at USGS station 12464606 (near Vantage) between 1992, 1993 and 1994.	DI77OE	2.472	17N	23E	27	Temperature		Water
41	16156	5	N	UNNAMED CREEK U.S. Bureau of Reclamation station CBP080 (DCC1 AT RED ROCK COULEE RD) shows 11 excursions beyond the criterion out of 20 samples collected between 1993-1999.	MB83BM	0	16N	26E	17	pH	High pH	Water
41	16153	5	N	W35.9B WASTEWAY U.S. Bureau of Reclamation station CBP086 (W35.9B WW AT END) shows 6 excursions beyond the criterion out of 22 samples collected between 1993-1999	DA61BM	65.126	19N	23E	11	pH	High pH	Water
42	42440	5	N	BANKS LAKE Seiders, 2004. shows the National Toxics Rule criterion was exceeded in Lake Whitefish and Rainbow trout fillet samples collected 10/16/2003.	296QRB	47119J0D4		47.935		119.045	2,3,7,8-TCDD	Tissue

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
42	42269	5	N	BANKS LAKE Seiders, 2004. shows fillet samples of Lake Whitefish, Walleye, and Rainbow trout collected in 2003 exceeded the National Toxics Rule criterion for Total PCBs.	296QRB	47119J0D4	47.935	119.045		Total PCBs		Tissue
42	11253	5	N	COLUMBIA RIVER Hallock (2001) Dept. of Ecology Ambient Monitoring Station 53A070 (COLUMBIA RIVER AT GRAND COULEE) shows 9 excursions beyond the criterion out of 48 EPA has the lead in a Temperature TMDL for the Columbia samples collected between 1993 - 2001 measured on these dates: 00/09/13, 93/09/15, 94/10/12, 95/08/09, 95/10/04, 96/08/07, 97/08/06, 97/09/10, and 98/10/07. and Snake Rivers that is underway.	NN57SG	945.56 6	29N	30E	36	Temperature		Water
42	9661	5	N	LENORE LAKE OUTLET CHANNEL Pickett (1999) station SunLk-16 (Lenore Lake outlet channel (LECREEK)) shows 4 excursions beyond the criterion out of 4 samples collected between 05/96 - 10/96.	CJ61YR	19.626	23N	26E	35	pH		Water
43	40491	5	N	COAL CREEK Unpublished data from the Lincoln Conservation District station CO12 (Coal Creek at Laney Brothers Rd.) show 19 excursions beyond the criterion from 20 measurements collected in 2001-2002.	QR50RC	2.208	21N	33E	01	pH		Water
43	40507	5	N	CRAB CREEK Unpublished data from the Lincoln Conservation District station CC13 (Crab Creek at Hwy. 28) show excursions beyond the geometric mean criterion from samples collected in 2001 and 2002.	FU07MU	124.87	21N	33E	09	Fecal Coliform		Water
43	6740	5	Y	CRAB CREEK Hallock (2004), Dept. of Ecology ambient station 43A100 shows that 1 of 1 sample exceeds the criterion. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 43A100 (Crab Ck @ Marcelus Road) shows 0 excursions beyond the criterion out of 5 samples collected between 1993 - 2001. U.S.Geological Survey data from NWIS database station 12464770 (at Marcellus Road near Ritzville) shows 26 excursions beyond the criterion out of 172 samples collected between 1992 and 2001.	FU07MU	149.38 2	21N	35E	23	pH	High pH	Water
43	11265	5	N	CRAB CREEK Hallock (2004), Dept. of Ecology ambient station 43A070 shows that of 2 samples none exceed the criterion. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 43A070 (Crab Cr @ Irby) shows 6 excursions beyond the criterion out of 6 samples collected between 1993 - 2001. U.S. Bureau of Reclamation station CBP111 (CRAB CREEK AT IRBY CROSSING) shows 2 excursions beyond the criterion out of 5 samples collected between 1993-1999.	FU07MU	107.61 3	22N	32E	31	pH	High pH	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
43	40492	5	N	CRAB CREEK Unpublished data from the Lincoln Conservation District station CC13 (Crab Creek at Hwy. 28) show 16 excursions beyond the criterion from 37 measurements collected in 2001-2002.	FU07MU	124.87	21N	33E	09	pH		Water
43	40493	5	N	CRAB CREEK Unpublished data from the Lincoln Conservation District station CC16 (Crab Creek at Marlin, WA) show 18 excursions beyond the criterion from 26 measurements collected in 2001-2002.	FU07MU	92.765	22N	30E	12	pH		Water
43	40447	5	N	CRAB CREEK Unpublished data from the Lincoln Conservation District station CC13 (Crab Creek at Hwy. 28) show excursions beyond the criterion from measurements collected in 2000, 2001 and 2002.	FU07MU	124.87	21N	33E	09	Temperature		Water
43	15921	5	N	CRAB CREEK Hallock, 2002. shows 5 excursions beyond the criterion out of 12 samples collected between 1992 and 2001 derived by the difference between the upstream station 43A150 (Crab Ck @ Bluestem Road) and the downstream station 43A070 (Crab Cr @ Irby).	FU07MU	107.61 3	22N	32E	31	Turbidity		Water
43	40460	5	N	CRAB CREEK, S.F. Unpublished data from the Lincoln Conservation District station SF11 (South Fork Crab Creek West of Rocky Ford Rd.) show excursions beyond the criterion from measurements collected in 2000, 2001 and 2002.	ZZ96LC	0	21N	35E	23	Dissolved oxygen		Water
43	8957	5	Y	MEDICAL, WEST LAKE Willms and Pelletier, 1992. 20 samples collected in 1990 show ammonia concentrations were 'typically about 2.5 times the chronic criterion.'	630CWH	24N	40E	13		Ammonia-N		Water
43	6723	5	Y	MEDICAL, WEST LAKE Willms and Pelletier, 1992. samples taken on 8/28/1990 (13,000 cfu/100 mL) and 10/30/1990 (930 cfu/100 mL) at station C both exceed the criterion.	630CWH	24N	40E	13		Fecal Coliform	Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.	Water
43	42381	5	N	WEST MEDICAL LAKE Seiders, 2004. shows the National Toxics Rule criterion was exceeded in Rainbow trout fillet samples collected 10/23/2002.	630CWH	24N	40E	13		2,3,7,8-TCDD		Tissue
43	42173	5	N	WEST MEDICAL LAKE Seiders, 2004. shows the National Toxics Rule criterion was exceeded in Rainbow trout fillet samples collected 10/23/2002.	630CWH	24N	40E	13		Total PCBs		Tissue
44	40949	5	N	COLUMBIA RIVER Chelan County PUD station RRDW (Rocky Reach Tailrace) shows 33 excursions beyond the criterion out of 148 days during 2000.	NN57SG	744.23 9	23N	20E	22	Temperature	EPA has the lead in a temperature TMDL for the Columbia and Snakes Rivers that is underway.	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
and	44	40950	5	N	COLUMBIA RIVER	NN57SG	751.69 7	24N	20E	35	Temperature	Water
					Chelan County PUD station RRH (Rocky Reach Forebay) shows 38 excursions beyond the criterion out of 248 days during 2000.						EPA has the lead in a temperature TMDL for the Columbia	
											Snakes Rivers that is underway.	
	45	34833	5	N	BRENDER CREEK	FB41UG	0	23N	19E	05	4,4'-DDD	Water
					Serdar and Era-Miller (2002) show 5 excursions beyond the National Toxic Rule criterion from samples collected in 2000.							
	45	34827	5	N	BRENDER CREEK	FB41UG	0	23N	19E	05	4,4'-DDE	Water
					Serdar and Era-Miller (2002) show 5 excursions beyond the National Toxic Rule criterion from samples collected in 2000.							
	45	34830	5	N	BRENDER CREEK	FB41UG	0	23N	19E	05	4,4'-DDT	Water
					Serdar and Era-Miller (2002) show 5 excursions beyond the National Toxic Rule criterion from samples collected in 2000.							
	45	8406	5	Y	BRENDER CREEK	FB41UG	0	23N	19E	05	Dissolved oxygen	Water
					Ecology EIM study WENRTMDL, station 45BR00.4 shows 6 samples exceeded the criterion in year 2003.						This water body is part of an ongoing comprehensive TMDL	
					Ecology EIM study WENRTMDL, station 45BR00.5 shows 2 samples exceeded the criterion in year 2003.						study in WRIA 45, and was listed in 1998.	
					Ecology EIM study WENRTMDL, station 45BR00.7 shows that no samples exceeded the criterion in years, 2002 and 2003.							
					Ecology EIM study WENRTMDL, station 45BR01.2 shows that no samples exceeded the criterion in year 2003.							
					Ecology EIM study WENRTMDL, station 45D070 shows 4 samples exceeded the criterion in year 2002.							
					Hallock (2003), Dept. of Ecology ambient station 45D070 shows a total of 1 sample in year 2002 exceeded the criterion.							
					Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45D070 (BRENDER CREEK NEAR CASHMERE) shows 0 excursions beyond the criterion out of 18 samples collected between 1993 - 2001.							
					Hindes, 1994, 1 excursion beyond the criterion at station 2 on 8/16/93.							
					Hindes, 1994. 2 excursions beyond the criterion at station 3 on 10/26/92 and 8/16/93.							

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information	Parameter	Medium
				Basis			Remarks
45	8408	5	Y	BRENDER CREEK	FB41UG 0 23N 19E 05	Fecal Coliform	Water
				Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45BR00.4 shows the geometric mean of 248.6 exceeds the criterion and 6 of 10 samples (60%) collected in 2003 exceed the percentile criterion.	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.		
				Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45BR00.5 shows that 4 of 4 samples (100%) collected in 2003 exceed the percentile criterion.			
				Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45BR00.7 shows the geometric mean of 584.6 exceeds the criterion and 10 of 10 samples (100%) collected in 2003 exceed the percentile criterion.			
				Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45BR01.2 shows the geometric mean of 495.9 exceeds the criterion and 10 of 12 samples (83.3%) collected in 2003 exceed the percentile criterion.			
				Hallock (2004), Dept. of Ecology ambient station 45D070 shows a geometric mean of 122.1 exceeded the criterion in year 2003; and 3 of 12 samples (25%) in year 2003 exceeded the percentile criterion.			
				Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45D070 shows the geometric mean of 114.1 exceeds the criterion and 5 of 11 samples (45.5%) collected in 2002 exceed the percentile criterion.			
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45D070 (BRENDER CREEK NEAR CASHMERE) shows a geometric mean of 78 does not exceed the criterion and that 38% of the samples exceeds the percentile criterion from 8 samples collected during 2000.			
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45D070 (BRENDER CREEK NEAR CASHMERE) shows a geometric mean of 69 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 11 samples collected during 1999.			
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45D070 (BRENDER CREEK NEAR CASHMERE) shows a geometric mean of 287 exceeds the criterion and that 64% of the samples exceeds the percentile criterion from 11 samples collected during 1998.			
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45D070 (BRENDER CREEK NEAR CASHMERE) shows a geometric mean of 187 exceeds the criterion and that 45% of the samples exceeds the percentile criterion from 11 samples collected during 1997.			
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45D070 (BRENDER CREEK NEAR CASHMERE) shows a geometric mean of 267 exceeds the criterion and that 50% of the samples exceeds the percentile criterion from 2 samples collected during 1996.			
				Hindes, 1994, 12 excursions beyond the criterion at station 3 between 1992 and 1993.			

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	Remarks
				Basis								
45	41677	5	N	BRENDER CREEK	FB41UG	2.104	23N	19E	06	Fecal Coliform	Water	
Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45BR01.4 shows the geometric mean of 280.1 exceeds the criterion and 5 of 8 samples (62.5%) collected in 2003 exceed the percentile criterion.												
Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45BR01.6 shows the geometric mean of 540.0 exceeds the criterion and 7 of 11 samples (63.6%) collected in 2003 exceed the percentile criterion.												
Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45BR01.9 shows that 3 of 4 samples (75%) collected in 2003 exceed the percentile criterion.												
Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45BR02.0 shows that 2 of 3 samples (66.7%) collected in 2003 exceed the percentile criterion.												
Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45BR02.1 shows the geometric mean of 135.6 exceeds the criterion and 2 of 5 samples (40%) collected in 2003 exceed the percentile criterion.												
45	41682	5	N	BRENDER CREEK	FB41UG	3.943	23N	18E	01	Fecal Coliform	Water	
Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45BR02.5 shows the geometric mean of 137.4 exceeds the criterion and 2 of 10 samples (20%) collected in 2003 exceed the percentile criterion.												
Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45BR03.0 shows that 1 of 5 samples (20%) collected in 2003 exceed the percentile criterion.												
Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45BR03.4 shows that 1 of 5 samples (20%) collected in 2003 exceed the percentile criterion.												
45	41685	5	N	BRENDER CREEK	FB41UG	6.5	23N	18E	11	Fecal Coliform	Water	
Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45BR04.1 shows that 2 of 10 samples (20%) collected in 2003 exceed the percentile criterion.												
45	11277	5	N	BRENDER CREEK	FB41UG	0	23N	19E	05	Temperature	Water	
Ecology EIM study WENRTMDL, station 45BR00.4 shows 1 samples exceeded the criterion in year 2003.												
Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45BR00.1, shows between 4/27/2002 and 11/15/2002 there were 11 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 18.45 °Celcius for the 7-day period ending July 18, 2002.												
Serdar and Era-Miller (2002) show no excursions beyond the criterion out of 5 measurements collected in 2000.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45D070 (BRENDER CREEK NEAR CASHMERE) shows 0 excursions beyond the criterion out of 18 samples collected between 1993 - 2001.												

Changed from Category 1 to Category 5 on 01/20/05 due to consolidation with Listing IDs 42851 (Cat 5) and 41108 (Cat 2). -kk

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium	Remarks	
				Basis								
45	8409	5	Y	CHIWAUKUM CREEK	YR91UM	0	25N	17E	09	Temperature	Water	
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45CK00.1, shows between 5/14/2002 and 11/28/2002 there were no occurrences in						This water body is part of an ongoing		
				which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody.						study in WRIA 45, and was listed in 1998.		
				10 excursions beyond the criterion sampled at the mouth by Wenatchee National Forest (submitted by Bella Patheal of EPA on 12/1/95) during 1994.							WASWIS updated from HM20EV to YR91UM. 09/08/04 -kk	
45	39357	5	N	CHIWAWA RIVER	HH87YZ	4.466	27N	18E	30	Temperature	Water	
				Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 17.2 degrees C, with a maximum daily temperature of 17.8 degrees C from continuous measurements collected in 2001 at station called 'Chiwawa 1'.								
				Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 15.4 degrees C, with a maximum daily temperature of 15.9 degrees C from continuous measurements collected in 2000 at station called 'Chiwawa 1'.								
				Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 18.4 degrees C, with a maximum daily temperature of 19.1 degrees C from continuous measurements collected in 2001 at station called 'Chiwawa River at Fish Ladder'.								
45	39359	5	N	CHIWAWA RIVER	HH87YZ	9.045	27N	17E	13	Temperature	Water	
				Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 17.8 degrees C, with a maximum daily temperature of 18.3 degrees C from continuous measurements collected in 2001 at station called 'Chiwawa 2'.								
				Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 16 degrees C, with a maximum daily temperature of 17.6 degrees C from continuous measurements collected in 2000 at station called 'Chiwawa 2'.								
				Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 13 degrees C, with a maximum daily temperature of 13.1 degrees C from continuous measurements collected in 1999 at station called 'Chiwawa 2'.								
				Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show excursions beyond the criterion from measurements collected in 2000 and 2001 at station 'Chiwawa River #2 at Goose Creek CG' (River Mile 12).								
				Scholz, 1999, shows a 7-day mean of maximum daily temperature of 17.6 degrees C, with a maximum daily temperature of 18.4 degrees C from continuous measurements collected in 1998 at Chiwawa River at Goose Creek Campground.								

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
45	8412	5	Y	CHUMSTICK CREEK	TX45RJ	0.318	24N	17E	01	Fecal Coliform		Water
Ecology EIM study WENRTMDL, station 45C060 shows the geometric mean of 101.0 exceeds the criterion and 2 of 10 samples (20%) collected in 2003 exceed the percentile criterion.											Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	
Hallock (2004), Dept. of Ecology ambient station 45C070 meets tested standards for fecal coliform.												
Hallock (2004), Dept. of Ecology ambient station 45C060 shows 3 of 12 samples (25%) in year 2003 exceeded the percentile criterion.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45C070 (CHUMSTICK CREEK NEAR LEAVENWORTH) shows a geometric mean of 11 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 8 samples collected during 2000.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45C070 (CHUMSTICK CREEK NEAR LEAVENWORTH) shows a geometric mean of 12 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 11 samples collected during 1999.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45C070 (CHUMSTICK CREEK NEAR LEAVENWORTH) shows a geometric mean of 22 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 11 samples collected during 1998.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45C070 (CHUMSTICK CREEK NEAR LEAVENWORTH) shows a geometric mean of 31 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 10 samples collected during 1997.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45C070 (CHUMSTICK CREEK NEAR LEAVENWORTH) shows a geometric mean of 30 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 3 samples collected during 1996.												
Hindes, 1994, 4 excursions beyond the criterion at station 11between 1992 and 1993.												
45	41689	5	N	CHUMSTICK CREEK	TX45RJ	5.032	25N	18E	19	Fecal Coliform		Water
Ecology EIM study WENRTMDL, station 45CS03.8 shows the geometric mean of 115.9 exceeds the criterion and 3 of 10 samples (30%) collected in 2003 exceed the percentile criterion.												
Ecology EIM study WENRTMDL, station 45CS04.3 shows that 1 of 2 samples (50%) collected in 2003 exceed the percentile criterion.												
45	41691	5	N	CHUMSTICK CREEK	TX45RJ	6.909	25N	18E	18	Fecal Coliform		Water
Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45CS04.9 shows the geometric mean of 160.7 exceeds the criterion and 4 of 10 samples (40%) collected in 2003 exceed the percentile criterion.												
45	41693	5	N	CHUMSTICK CREEK	TX45RJ	10.4	25N	18E	06	Fecal Coliform		Water
Ecology EIM study WENRTMDL, station 45CS06.8 shows that a total of 2 samples were collected in year 2003 and none were found to exceed the criterion.												
Ecology EIM study WENRTMDL, station 45CS07.7 shows the geometric mean of 358.9 exceeds the criterion and 5 of 10 samples (50%) collected in 2003 exceed the percentile criterion.												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
45	41722	5	N	CHUMSTICK CREEK Ecology EIM study WENRTMDL station 45CS08.3 shows the geometric mean of 129.4 exceeds the criterion and that 2 of 5 samples (40%) collected in 2003 exceed the percentile criterion. Ecology EIM study WENRTMDL station 45CS08.6 shows the geometric mean of 146.4 exceeds the criterion and that 3 of 5 samples (60%) collected in 2003 exceed the percentile criterion.	TX45RJ	12.183	26N	18E	31	Fecal Coliform		Water
45	41724	5	N	CHUMSTICK CREEK Ecology unpublished data, (Ecology EIM study WENRTMDL) station 45CS09.1 shows the geometric mean of 73.6 exceeds the criterion and that 4 of 10 samples (40%) collected in 2003 exceed the percentile criterion.	TX45RJ	14.005	26N	18E	30	Fecal Coliform		Water
45	41725	5	N	CHUMSTICK CREEK Ecology unpublished data, (Ecology EIM study WENRTMDL) station 45CS11.3 shows that 2 of 4 samples (50%) collected in 2003 exceed the percentile criterion.	TX45RJ	16.195	26N	18E	33	Fecal Coliform		Water
45	42915	5	N	CHUMSTICK CREEK Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45CS06.1, shows between 5/29/2003 and 10/21/2003 there were 9 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 18.58 °Celcius for the 7-day period ending August 21, 2003.	TX45RJ	8.693	25N	18E	07	Temperature		Water
45	42916	5	N	CHUMSTICK CREEK Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45CS09.1, shows between 5/29/2003 and 10/21/2003 there were 47 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 18.85 °Celcius for the 7-day period ending July 24, 2003. Ecology EIM study WENRTMDL, station 45CS09.1 shows 1 samples exceeded the criterion in year 2003.	TX45RJ	14.005	26N	18E	30	Temperature		Water
45	41696	5	N	EAGLE CREEK Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45EG00.9 shows that 2 of 8 samples (25%) collected in 2003 exceed the percentile criterion.	ZW35YH	0.893	25N	18E	30	Fecal Coliform		Water
45	41727	5	N	EAGLE CREEK Ecology unpublished data, (Ecology EIM study WENRTMDL) station 45EG05.8 shows the geometric mean of 55.5 exceeds the criterion and that 2 of 11 samples (18.2%) collected in 2003 exceed the percentile criterion.	ZW35YH	8.967	25N	18E	24	Fecal Coliform		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
45	42850	5	N	FISH LAKE RUN	FA50VH	0	27N	17E	27	Temperature		Water
Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45FL00.3, shows between 6/29/2002 and 7/25/2002 there were 21 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 23.11 °Celcius for the 7-day period ending July 18, 2002.												
Ecology EIM study WENRTMDL, station 45FL00.3 shows 2 samples exceeded the criterion in year 2002.												
45	41920	5	N	FOX IRR RET	UNK000	0	24N	18E	06	Fecal Coliform		Water
Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45FX00.1 shows that 2 of 10 samples (20%) collected in 2003 exceed the percentile criterion.												
45	42981	5	N	HIGHLINE CANAL RET	FG00VD	0	23N	20E	29	Temperature		Water
Ecology EIM study WENRTMDL, station 45HR00.1 shows 4 samples exceeded the criterion in year 2002.												
Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45HR00.1, shows between 7/25/2002 and 10/15/2002 there were 43 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 21.91 °Celcius for the 7-day period ending August 14, 2002.												
45	8416	5	Y	ICICLE CREEK	KN36FW	3.827	24N	17E	24	Dissolved oxygen		Water
Hindes, 1994. 6 excursions beyond the criterion at station 9 between 1992 and 1993.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45B070 (Icicle Cr nr Leavenworth) shows 0 excursions beyond the criterion out of 9 samples collected between 1993 - 2001.												
During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments. Based on a review of monitoring studies for												
statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues												
be impaired. (Braley, ECY/WQP, 2003)												
45	8417	5	Y	ICICLE CREEK	KN36FW	3.827	24N	17E	24	pH		Water
Ecology EIM study WENRTMDL, station 45B070 shows that 1 of 14 samples exceeds the criterion.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45B070 (Icicle Cr nr Leavenworth) shows 0 excursions beyond the criterion out of 8 samples collected between 1993 - 2001.												
Hindes, 1994, 1 excursion beyond the criterion at station 9 on 10/26/92.												
45	8415	5	Y	ICICLE CREEK	KN36FW	12.147	24N	17E	30	Temperature		Water
Sullivan et al. 1990 , 15 excursions beyond the criteria in 1988.												
Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
45	39343	5	N	ICICLE CREEK	KN36FW	6.89	24N	17E	27	Temperature		Water
Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show excursions beyond the criterion from measurements collected in 2000, 2001 and 2002 at station 'Icicle River Below Snow Creek' (River Mile 5).												
Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 18.6 degrees C, with a maximum daily temperature of 19.3 degrees C from continuous measurements collected in 2001 at station called 'Icicle Creek'. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 17.4 degrees C, with a maximum daily temperature of 18.7 degrees C from continuous measurements collected in 2000 at station called 'Icicle Creek'. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 13.8 degrees C, with a maximum daily temperature of 14.5 degrees C from continuous measurements collected in 1999 at station called 'Icicle Creek'.												
45	42825	5	N	ICICLE CREEK	KN36FW	0	24N	17E	13	Temperature		Water
Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45IC00.1, shows between 5/17/2002 and 10/9/2002 there were 21 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 19.09 °Celcius for the 7-day period ending August 29, 2002.												
45	42827	5	N	ICICLE CREEK	KN36FW	8.585	24N	17E	28	Temperature		Water
Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45IC05.9, shows between 7/24/2002 and 10/15/2002 there were 22 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 17.12 °Celcius for the 7-day period ending August 16, 2002.												
45	42828	5	N	ICICLE CREEK	KN36FW	14.472	24N	16E	24	Temperature		Water
Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45IC09.9, shows between 4/27/2002 and 10/15/2002 there were 5 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 16.26 °Celcius for the 7-day period ending August 31, 2002.												
45	42872	5	N	ICICLE CREEK	KN36FW	17.417	24N	16E	11	Temperature		Water
Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45IC11.4, shows between 8/27/2002 and 10/15/2002 there were 1 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 16.37 °Celcius for the 7-day period ending September 2, 2002.												
45	41925	5	N	ICICLE IRR RET	UNK000	0	23N	19E	14	Fecal Coliform		Water
Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45ISR00.1 shows that 2 of 4 samples (50%) collected in 2003 exceed the percentile criterion.												
45	41731	5	N	LITTLE CHUMSTICK CREEK	FA38NK	0	26N	18E	30	Fecal Coliform		Water
Ecology unpublished data, (Ecology EIM study WENRTMDL) station 45LC00.1 shows the geometric mean of 74.8 exceeds the criterion and that 1 of 5 samples (20%) collected in 2003 exceed the percentile criterion.												

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Remarks	Medium
				Basis							
45	39364	5	Y	LITTLE WENATCHEE RIVER	DS66LF	1.842	27N	16E	15	Temperature	Water
Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 18.8 degrees C, with a maximum daily temperature of 19.4 degrees C from continuous measurements collected in 2001 at station called 'Little Wenatchee 1'.											
Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 17.8 degrees C, with a maximum daily temperature of 18.3 degrees C from continuous measurements collected in 2000 at station called 'Little Wenatchee 1'.											
Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 14.9 degrees C, with a maximum daily temperature of 15.5 degrees C from continuous measurements collected in 1999 at station called 'Little Wenatchee 1'.											
45	39365	5	N	LITTLE WENATCHEE RIVER	DS66LF	8.33	27N	16E	18	Temperature	Water
Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 19.3 degrees C, with a maximum daily temperature of 20.1 degrees C from continuous measurements collected in 2001 at station called 'Little Wenatchee 2'.											
Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 12.6 degrees C, with a maximum daily temperature of 13.7 degrees C from continuous measurements collected in 1999 at station called 'Little Wenatchee 2'.											
Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show excursions beyond the criterion from measurements collected in 2001 at station 'Little Wenatchee River #2 abv Lost Creek' (River Mile 4).											
45	39366	5	N	LITTLE WENATCHEE RIVER	DS66LF	12.512	27N	15E	11	Temperature	Water
Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 18.1 degrees C, with a maximum daily temperature of 18.6 degrees C from continuous measurements collected in 2001 at station called 'Little Wenatchee 3'.											
Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 16.8 degrees C, with a maximum daily temperature of 17.1 degrees C from continuous measurements collected in 2000 at station called 'Little Wenatchee 3'. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 11.9 degrees C, with a maximum daily temperature of 14.8 degrees C from continuous measurements collected in 1999 at station called 'Little Wenatchee 3'.											

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium	Remarks
				Basis							
45	39367	5	N	LITTLE WENATCHEE RIVER	DS66LF	14.488	27N	15E	10	Temperature	Water
<p>Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 14.8 degrees C, with a maximum daily temperature of 15.1 degrees C from continuous measurements collected in 2001 at station called 'Little Wenatchee 4'. Changed from Category 1 to Category 5 on 01/19/05 due to consolidation with Listing ID 40766 (Cat 5).</p> <p>Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of degrees C, with a maximum daily temperature of 12.3 degrees C from continuous measurements collected in 1999 at station called 'Little Wenatchee 4'.</p> <p>Scholz, 1999, shows a 7-day mean of maximum daily temperature of 19.6 degrees C, with a maximum daily temperature of 20.3 degrees C from continuous measurements collected in 1998 at Little Wenatchee River above Rainy Creek.</p> <p>Scholz, 1999, shows a 7-day mean of maximum daily temperature of 19.2 degrees C, with a maximum daily temperature of 19.7 degrees C from continuous measurements collected in 1998 at Little Wenatchee River below Rainy Creek.</p>											
45	39368	5	N	LITTLE WENATCHEE RIVER	DS66LF	16.594	27N	15E	09	Temperature	Water
<p>Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 17.7 degrees C, with a maximum daily temperature of 18.2 degrees C from continuous measurements collected in 2001 at station called 'Little Wenatchee 7'. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 14.9 degrees C, with a maximum daily temperature of 15.2 degrees C from continuous measurements collected in 2000 at station called 'Little Wenatchee 7'. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 12.3 degrees C, with a maximum daily temperature of 12.7 degrees C from continuous measurements collected in 1999 at station called 'Little Wenatchee 7'.</p> <p>Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 18.3 degrees C, with a maximum daily temperature of 18.8 degrees C from continuous measurements collected in 2001 at station called 'Little Wenatchee 5'. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 16.3 degrees C, with a maximum daily temperature of 16.5 degrees C from continuous measurements collected in 2000 at station called 'Little Wenatchee 5'. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 13.6 degrees C, with a maximum daily temperature of 14.3 degrees C from continuous measurements collected in 1999 at station called 'Little Wenatchee 5'.</p>											
45	39370	5	N	LITTLE WENATCHEE RIVER	DS66LF	21.471	28N	15E	31	Temperature	Water
<p>Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 17.7 degrees C, with a maximum daily temperature of 18.2 degrees C from continuous measurements collected in 2001 at station called 'Little Wenatchee 6'. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 16.8 degrees C, with a maximum daily temperature of 17.7 degrees C from continuous measurements collected in 2000 at station called 'Little Wenatchee 6'. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 14.6 degrees C, with a maximum daily temperature of 15.2 degrees C from continuous measurements collected in 1999 at station called 'Little Wenatchee 6'.</p>											
45	40764	5	N	LITTLE WENATCHEE RIVER	DS66LF	0	27N	16E	23	Temperature	Water
<p>Scholz, 1999, shows a 7-day mean of maximum daily temperature of 19.9 degrees C, with a maximum daily temperature of 20.8 degrees C from continuous measurements collected in 1998 at Little Wenatchee River near mouth. WRIA changed from 99 to 45. 12/03/04 -kk</p>											

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
45	34832	5	N	MISSION CREEK Serdar and Era-Miller (2002) show 5 excursions beyond the National Toxic Rule criterion from samples collected in 2000.	DQ04NW	0.45	23N	19E	04	4,4'-DDD		Water
45	8960	5	Y	MISSION CREEK Davis et al, 1995. , excursions beyond the criterion in edible rainbow trout tissue near the mouth in 1993.	DQ04NW	0.45	23N	19E	04	4,4'-DDE		Tissue
45	34826	5	N	MISSION CREEK Serdar and Era-Miller (2002) show 5 excursions beyond the National Toxic Rule criterion from samples collected in 2000.	DQ04NW	0.45	23N	19E	04	4,4'-DDE		Water
45	8959	5	Y	MISSION CREEK Davis et al, 1995 , excursions beyond the criterion in edible rainbow trout tissue near the mouth in 1993.	DQ04NW	0.45	23N	19E	04	4,4'-DDT		Tissue
45	34829	5	N	MISSION CREEK Serdar and Era-Miller (2002) show 5 excursions beyond the National Toxic Rule criterion from samples collected in 2000.	DQ04NW	0.45	23N	19E	04	4,4'-DDT		Water
45	8958	5	Y	MISSION CREEK Davis , 1996, 2 excursions beyond the chronic criterion at Mission Creek Road in 4/93 and 6/93.	DQ04NW	1.839	23N	19E	09	DDT		Water
45	8421	5	Y	MISSION CREEK Hindes, 1994, 6 excursions beyond the criterion at station 2 between 1992 and 1993.	FB41UG	0	23N	19E	05	Fecal Coliform	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	Water
45	8423	5	Y	MISSION CREEK Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45MC03.8 shows that 2 of 3 samples (66.7%) collected in 2003 exceed the percentile criterion. Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45MC04.4 shows that 1 of 9 samples (11.1%) collected in 2003 exceed the percentile criterion. Hindes, 1994, 3 excursions beyond the criterion at station 4 between 1992 and 1993.	DQ04NW	5.629	23N	19E	20	Fecal Coliform	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium	Remarks
				Basis							
45	16832	5	Y	MISSION CREEK	DQ04NW	0.16	23N	19E	05	Fecal Coliform	Water
Hallock (2004), Dept. of Ecology ambient station 45E070 shows 2 of 7 samples (28.6%) in year 2002 exceeded the percentile criterion and 2 of 10 samples (20%) in year 2003 exceeded the percentile criterion.											
Ecology data, (Ecology EIM study WENRTMDL), station 45E070 shows the geometric mean of 495.6 exceeds the criterion and 6 of 8 samples (75%) collected in 2003 exceed the percentile criterion.											
Ecology data, (Ecology EIM study WENRTMDL), station 45MC00.1 shows that 2 of 3 samples (66.7%) collected in 2002 exceed the percentile criterion.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45E070 (MISSION CREEK NEAR CASHMERE) shows a geometric mean of 25 does not exceed the criterion and that 0% of the samples exceeds the percentile criterion from 8 samples collected during 2000.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45E070 (MISSION CREEK NEAR CASHMERE) shows a geometric mean of 35 does not exceed the criterion and that 15% of the samples exceeds the percentile criterion from 13 samples collected during 1999.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45E070 (MISSION CREEK NEAR CASHMERE) shows a geometric mean of 38 does not exceed the criterion and that 17% of the samples exceeds the percentile criterion from 12 samples collected during 1998.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45E070 (MISSION CREEK NEAR CASHMERE) shows a geometric mean of 16 does not exceed the criterion and that 0% of the samples exceeds the percentile criterion from 11 samples collected during 1997.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45E070 (MISSION CREEK NEAR CASHMERE) shows a geometric mean of 46 does not exceed the criterion and that 33% of the samples exceeds the percentile criterion from 3 samples collected during 1996.											
45	41557	5	N	MISSION CREEK	DQ04NW	0.45	23N	19E	04	Fecal Coliform	Water
Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45MC00.4 shows that 1 of 1 samples (100%) collected in 2003 exceed the percentile criterion.											
Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45MC00.6 shows the geometric mean of 487.9 exceeds the criterion and 6 of 9 samples (66.7%) collected in 2003 exceed the percentile criterion.											
Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45MC00.9 shows the geometric mean of 260.1 exceeds the criterion and 5 of 11 samples (45.5%) collected in 2003 exceed the percentile criterion.											
45	41559	5	N	MISSION CREEK	DQ04NW	1.839	23N	19E	09	Fecal Coliform	Water
Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45MC01.2 shows the geometric mean of 143.7 exceeds the criterion and 7 of 11 samples (63.6%) collected in 2003 exceed the percentile criterion.											
45	41561	5	N	MISSION CREEK	DQ04NW	2.558	23N	19E	08	Fecal Coliform	Water
Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45MC01.7 shows that a total of 4 samples were collected in year 2003 and none were found to exceed the criterion.											
Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45MC02.3 shows that 3 of 4 samples (75%) collected in 2003 exceed the percentile criterion.											

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium		
45	41562	5	N	MISSION CREEK	DQ04NW	3.683	23N	19E	17	Fecal Coliform		Water		
Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45MC03.0 shows the geometric mean of 182.5 exceeds the criterion and 4 of 7 samples (57.1%) collected in 2003 exceed the percentile criterion.														
45	8961	5	Y	MISSION CREEK	DQ04NW	0.45	23N	19E	04	Guthion(azinphos-methyl)		Water		
Davis, 1993, shows 1 excursion beyond the EPA (1986) recommended criterion at Mission Creek Road on 30 May 1992.											This water body is part of an ongoing comprehensive TMDL study in WRIA 45, and was listed in 1998.			
Serdar and Era-Miller (2002) show 1 excursion beyond the EPA (1986) recommended criterion on 17 July 2000.														
45	11282	5	N	MISSION CREEK	DQ04NW	0.16	23N	19E	05	pH		Water		
Hallock (2004), Dept. of Ecology ambient station 45E070 shows that 2 of 21 samples exceed the criterion.											High pH			
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45E070 (MISSION CREEK NEAR CASHMERE) shows 4 excursions beyond the criterion out of 18 samples collected between 1993 - 2001.														
Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45MC00.1 shows that 0 of 3 samples exceed the criterion.														
Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45E070 shows that 0 of 10 samples exceed the criterion.														
45	34799	5	N	MISSION CREEK	DQ04NW	0.45	23N	19E	04	pH		Water		
Serdar and Era-Miller (2002) show 3 excursions beyond the criterion out of 5 measurements collected in 2000.											High pH			
Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45MC00.4 shows that 0 of 3 samples exceed the criterion.														
Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45MC00.6 shows that 2 of 7 samples exceed the criterion.														
Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45MC00.9 shows that 0 of 10 samples exceed the criterion.														
45	8424	5	N	MISSION CREEK	DQ04NW	5.629	23N	19E	20	Temperature		Water		
Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45MC04.5, shows between 6/10/2003 and 10/21/2003 there were 44 occurrences in											This water body is part of an ongoing study in WRIA 45, and was listed in 1998.			
which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 20.42 °Celcius for the 7-day period ending August 2, 2003.														
Ecology EIM study WENRTMDL, station 45MC04.4 shows 1 samples exceeded the criterion in year 2003.														
Numerous excursions beyond the criterion sampled at the NFS boundary by Wenatchee National Forest (submitted by Bella Patheal of EPA on 12/1/95) during 1994.														

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium	Remarks
				Basis							
45	11281	5	N	MISSION CREEK	DQ04NW	0.16	23N	19E	05	Temperature	Water
Ecology EIM study WENRTMDL, station 45E070 shows 3 samples exceeded the criterion in years 2002 and 2003.											Changed from Category 2 to Category 5 on 01/19/05 due to consolidation with Listing ID 42836. -kk
Ecology EIM study WENRTMDL, station 45MC00.1 shows 1 samples exceeded the criterion in year 2002.											
Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45MC00.1, shows between 4/27/2002 and 11/14/2002 there were 49 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 20.96 °Celcius for the 7-day period ending July 27, 2002.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45E070 (MISSION CREEK NEAR CASHMERE) shows 2 excursions beyond the criterion out of 17 samples collected between 1993 - 2001 measured on these dates: 00/08/14, 97/06/09.											
45	39374	5	N	MISSION CREEK	DQ04NW	11.248	22N	19E	06	Temperature	Water
Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45MC07.6, shows between 6/10/2003 and 10/21/2003 there were 69 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 20.08 °Celcius for the 7-day period ending August 1, 2003.											
Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 21.2 degrees C, with a maximum daily temperature of 22.2 degrees C from continuous measurements collected in 2001 at station called 'Mission Creek'.											
Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 19.3 degrees C, with a maximum daily temperature of 21.1 degrees C from continuous measurements collected in 2000 at station called 'Mission Creek'.											
Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 16.4 degrees C, with a maximum daily temperature of 12.1 degrees C from continuous measurements collected in 1999 at station called 'Mission Creek'.											
Serdar and Era-Miller (2002) show no excursions beyond the criterion out of 5 measurements collected in 2000.											
45	39375	5	N	MISSION CREEK	DQ04NW	14.965	22N	19E	18	Temperature	Water
Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 19.5 degrees C, with a maximum daily temperature of 20.5 degrees C from continuous measurements collected in 2001 at station called 'Devils Gulch'.											
Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 18.5 degrees C, with a maximum daily temperature of 19.8 degrees C from continuous measurements collected in 2000 at station called 'Devils Gulch'.											
Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 16.3 degrees C, with a maximum daily temperature of 17 degrees C from continuous measurements collected in 1999 at station called 'Devils Gulch'.											

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium	
45	42837	5	N	MISSION CREEK	DQ04NW	1.839	23N	19E	09	Temperature		Water
Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45MC01.2, shows between 6/24/2003 and 10/21/2003 there were 61 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 24.04 °Celcius for the 7-day period ending August 2, 2003.												
Ecology EIM study WENRTMDL, station 45MC01.2 shows 3 samples exceeded the criterion in year 2003.												
45	42838	5	N	MISSION CREEK	DQ04NW	2.558	23N	19E	08	Temperature		Water
Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45MC02.2, shows between 6/10/2003 and 10/21/2003 there were 65 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 26.50 °Celcius for the 7-day period ending September 28, 2003.												
45	42841	5	N	MISSION CREEK	DQ04NW	13.255	22N	19E	07	Temperature		Water
Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45MC09.2, shows between 5/12/2003 and 9/25/2003 there were 56 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 18.91 °Celcius for the 7-day period ending August 1, 2003.												
45	8425	5	Y	NASON CREEK	UO87HL	0.288	27N	17E	27	Temperature		Water
Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45NC00.3, shows between 5/13/2003 and 9/24/2003 there were 69 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 21.94 °Celcius for the 7-day period ending August 1, 2003.												
Numerous excursions beyond the criterion sampled at the mouth by Wenatchee National Forest (submitted by Bella Patheal of EPA on 12/1/95) during 1994.												
45	8426	5	Y	NASON CREEK	FZ91ME	0	26N	17E	09	Temperature		Water
Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96)show 34 excursions beyond the criterion in 1994.												
											This water body is part of an ongoing comprehensive TMDL study in WRIA 45, and was listed in 1998.	
45	39376	5	N	NASON CREEK	UO87HL	0	27N	17E	28	Temperature		Water
Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a maximum daily temperature of 22.3 degrees C from continuous measurements collected in 2001 at station called 'Nason Creek near the mouth'. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 20.6 degrees C, with a maximum daily temperature of 21.4 degrees C from continuous measurements collected in 2000 at station called 'Nason Creek near the mouth'. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 17.5 degrees C, with a maximum daily temperature of 18.2 degrees C from continuous measurements collected in 1999 at station called 'Nason Creek near the mouth'.												
Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show excursions beyond the criterion from measurements collected in 2000 and 2001 at station 'Nason Creek at mouth' (River Mile 0).												

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Remarks	Medium
				Basis							
45	39377	5	N	NASON CREEK Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 19.1 degrees C, with a maximum daily temperature of 19.7 degrees C from continuous measurements collected in 2001 at station called 'Nason Creek near Coles Corner'. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 19.3 degrees C, with a maximum daily temperature of 20.8 degrees C from continuous measurements collected in 2000 at station called 'Nason Creek near Coles Corner'. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 17.1 degrees C, with a maximum daily temperature of 17.6 degrees C from continuous measurements collected in 1999 at station called 'Nason Creek near Coles Corner'.	UO87HL	4.704	26N	17E	09	Temperature	Water
45	42918	5	N	NASON CREEK Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45NC00.7, shows between 5/15/2002 and 12/31/2002 there were 38 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 18.94 °Celcius for the 7-day period ending August 16, 2002.	UO87HL	1.026	27N	17E	33	Temperature	Water
45	42919	5	N	NASON CREEK Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45NC04.7, shows between 6/12/2003 and 11/5/2003 there were 62 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 21.42 °Celcius for the 7-day period ending August 1, 2003.	UO87HL	6.918	26N	17E	08	Temperature	Water
45	42920	5	N	NASON CREEK Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45NC07.9, shows between 6/11/2003 and 8/21/2003 there were 11 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 19.14 °Celcius for the 7-day period ending August 20, 2003.	UO87HL	11.214	26N	16E	12	Temperature	Water
45	42921	5	N	NASON CREEK Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45NC09.5, shows between 8/28/2003 and 11/5/2003 there were 8 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 18.01 °Celcius for the 7-day period ending September 5, 2003.	UO87HL	13.656	26N	16E	11	Temperature	Water
45	42922	5	N	NASON CREEK Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45NC11.2, shows between 6/11/2003 and 11/4/2003 there were 36 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 18.43 °Celcius for the 7-day period ending August 1, 2003.	UO87HL	15.683	26N	16E	03	Temperature	Water
45	42923	5	N	NASON CREEK Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45NC13.9, shows between 6/25/2003 and 8/21/2003 there were 31 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 18.00 °Celcius for the 7-day period ending August 1, 2003.	UO87HL	19.856	26N	16E	05	Temperature	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
45	42924	5	N	NASON CREEK Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45NC16.3, shows between 6/11/2003 and 11/4/2003 there were 22 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 17.90 °Celcius for the 7-day period ending August 1, 2003.	UO87HL	23.896	26N	15E	01	Temperature		Water
	42925	5	N	NASON CREEK Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45NC19.2, shows between 6/25/2003 and 8/21/2003 there were 31 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 18.41 °Celcius for the 7-day period ending August 1, 2003.	UO87HL	29.373	26N	15E	09	Temperature		Water
	42926	5	N	NASON CREEK Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45NC23.6, shows between 6/11/2003 and 11/4/2003 there were 23 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 17.55 °Celcius for the 7-day period ending August 2, 2003.	UO87HL	35.598	26N	14E	01	Temperature		Water
	41928	5	N	NO NAME CREEK Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45NN00.1 shows that 3 of 7 samples (42.9%) collected in 2003 exceed the percentile criterion.	UNK000	0	00U	000U	00	Fecal Coliform	Name changed from UNNAMED CREEK (AT MOUTH) to NAME CREEK on 02/03/05. TRS = 23N-19E-05. -kk	Water
	41929	5	N	NO NAME CREEK Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45NN00.2 shows the geometric mean of 451.7 exceeds the criterion and 8 of 9 samples (88.9%) collected in 2003 exceed the percentile criterion.	UNK000	0	00U	000U	00	Fecal Coliform	Name changed from UNNAMED CREEK (AT MILL RD) to NAME CREEK on 02/03/05. TRS = 23N-19E-05. -kk	Water
	41930	5	N	NO NAME CREEK Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45NN00.3 shows that 3 of 3 samples (100%) collected in 2003 exceed the percentile criterion.	UNK000	0	00U	000U	00	Fecal Coliform	Name changed from UNNAMED CREEK (BLW DUCK to NO NAME CREEK on 02/03/05. TRS = 23N-19E-05. -kk	Water
	41932	5	N	NO NAME CREEK Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45NN00.5 shows the geometric mean of 102.66906192543 exceeds the criterion from data collected in 2003.	UNK000	0	00U	000U	00	Fecal Coliform	Name changed from UNNAMED CREEK (AT SUNSET to NO NAME CREEK on 02/03/05. TRS = 23N-19E-05. -kk	Water
45	42537	5	N	NO NAME CREEK Hallock (2004), Dept. of Ecology ambient station 45R050 shows a geometric mean of 395.7 exceeded the criterion in year 2003; 3 of 3 samples (100%) in year 2002 exceeded the percentile criterion; and 10 of 12 samples (83.3%) in year 2003 exceeded the perce	UNK000	0	00U	000U	00	Fecal Coliform	Located near confluence of Brender Creek and Mission TRS=23N-19E-05. -kk	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
45	41819	5	N	NO NAME CREEK Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45NN01.3 shows that 3 of 5 samples exceed the criterion.	UNK000	0	00U	000U	00	pH		Water
45	8427	5	Y	PESHASTIN CREEK Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45PC03.6, shows between 6/9/2003 and 10/20/2003 there were 51 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 21.11 °Celcius for the 7-day period ending August 1, 2003. Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96)show 36 excursions beyond the criterion in 1994.	OM13EX	4.357	24N	18E	32	Temperature	This water body is part of an ongoing comprehensive TMDL study in WRIA 45, and was listed in 1998.	Water
45	8428	5	Y	PESHASTIN CREEK Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45PC00.3, shows between 7/17/2002 and 11/13/2002 there were 45 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 22.08 °Celcius for the 7-day period ending August 15, 2002. Numerous excursions beyond the criterion sampled at the NFS boundary by Wenatchee National Forest (submitted by Bella Patheal of EPA on 12/1/95) during 1994.	OM13EX	0.638	24N	18E	21	Temperature	This water body is part of an ongoing study in WRIA 45, and was listed in 1998.	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
45	39344	5	N	PESHASTIN CREEK	OM13EX	13.954	23N	17E	25	Temperature		Water
Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45PC08.4, shows between 6/9/2003 and 11/2/2003 there were 14 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 16.68 °Celcius for the 7-day period ending August 1, 2003.												
Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show excursions beyond the criterion from measurements collected in 2000, 2001 and 2002 at station 'Peshastin Creek blw Ingalls Creek' (River Mile 9.6).												
Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 16.5 degrees C, with a maximum daily temperature of 16.9 degrees C from continuous measurements collected in 2001 at station called 'Peshastin Creek below Ingalls Creek'.												
Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 15.7 degrees C, with a maximum daily temperature of 17 degrees C from continuous measurements collected in 2000 at station called 'Peshastin Creek below Ingalls Creek'.												
Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 14.2 degrees C, with a maximum daily temperature of 14.6 degrees C from continuous measurements collected in 1999 at station called 'Peshastin Creek below Ingalls Creek'.												
Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 18.4 degrees C, with a maximum daily temperature of 19 degrees C from continuous measurements collected in 2001 at station called 'Peshastin Creek above Ingalls Creek'.												
Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 18.1 degrees C, with a maximum daily temperature of 19.4 degrees C from continuous measurements collected in 2000 at station called 'Peshastin Creek above Ingalls Creek'.												
Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 15 degrees C, with a maximum daily temperature of 15.8 degrees C from continuous measurements collected in 1999 at station called 'Peshastin Creek above Ingalls Creek'.												
45	39381	5	N	PESHASTIN CREEK	OM13EX	15.93	23N	17E	36	Temperature		Water
Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 21.5 degrees C, with a maximum daily temperature of 22.2 degrees C from continuous measurements collected in 2001 at station called 'Peshastin Creek above Negro Creek'. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 20.6 degrees C, with a maximum daily temperature of 22.4 degrees C from continuous measurements collected in 2000 at station called 'Peshastin Creek above Negro Creek'. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 18.3 degrees C, with a maximum daily temperature of 19.3 degrees C from continuous measurements collected in 1999 at station called 'Peshastin Creek above Negro Creek'.												
45	42881	5	N	PESHASTIN CREEK	OM13EX	9.541	23N	18E	18	Temperature		Water
Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45PC06.5, shows between 6/26/2003 and 10/20/2003 there were 55 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 18.73 °Celcius for the 7-day period ending August 1, 2003.												

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
45	42884	5	N	PESHASTIN CREEK Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45PC12.4, shows between 6/9/2003 and 10/20/2003 there were 71 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 20.53 °Celcius for the 7-day period ending August 1, 2003.	OM13EX	18.021	22N	17E	01	Temperature		Water
45	42885	5	N	PESHASTIN CREEK Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45PC14.9, shows between 7/8/2003 and 12/10/2003 there were 58 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 20.63 °Celcius for the 7-day period ending August 1, 2003.	OM13EX	22.498	22N	17E	13	Temperature		Water
45	41938	5	N	PESHASTIN IRR RET Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45PRM00.1 shows the geometric mean of 155.2 exceeds the criterion and 4 of 9 samples (44.4%) collected in 2003 exceed the percentile criterion.	UNK000	0	23N	19E	04	Fecal Coliform		Water
45	41823	5	N	PIONEER IRR RET Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45PS00.1 shows that 4 of 6 samples exceed the criterion.	UNK000	0	23N	19E	05	pH		Water
45	42953	5	N	ROARING CREEK Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45RC00.0, shows between 6/26/2003 and 11/3/2003 there were 23 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 17.82 °Celcius for the 7-day period ending July 28, 2003.	YL67PV	0	26N	16E	11	Temperature		Water
45	39383	5	N	ROCK CREEK Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 15.6 degrees C, with a maximum daily temperature of 16.2 degrees C from continuous measurements collected in 2001 at station called 'Rock Creek'. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 13.7 degrees C, with a maximum daily temperature of 14.6 degrees C from continuous measurements collected in 2000 at station called 'Rock Creek'. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 11.9 degrees C, with a maximum daily temperature of 12.1 degrees C from continuous measurements collected in 1999 at station called 'Rock Creek'. Scholz, 1999, shows a 7-day mean of maximum daily temperature of 15.3 degrees C, with a maximum daily temperature of 16 degrees C from continuous measurements collected in 1998 at Rock Creek.	BS97UP	1.295	29N	17E	30	Temperature		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium	
45	39384	5	N	SAND CREEK Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45SN00.0, shows between 5/20/2002 and 9/16/2002 there were no occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 17.3 degrees C, with a maximum daily temperature of 17.9 degrees C from continuous measurements collected in 2001 at station called 'Sand Creek'. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 17.4 degrees C, with a maximum daily temperature of 18.6 degrees C from continuous measurements collected in 2000 at station called 'Sand Creek'. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 15.1 degrees C, with a maximum daily temperature of 15.8 degrees C from continuous measurements collected in 1999 at station called 'Sand Creek'.	VM52YQ	0	22N	19E	06	Temperature		Water
45	42815	5	N	SECOND CREEK Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45SE00.1, shows between 5/29/2003 and 10/21/2003 there were 10 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 16.78 °Celcius for the 7-day period ending August 2, 2003.	IW57JH	0.021	26N	18E	29	Temperature		Water
45	41912	5	N	TONASKET CREEK Serdar, D., (2003), station OKANOTMDL09 shows 2 samples in 2001 exceed the National Toxics Rule criterion.	QE80IG	0	40N	27E	27	4,4'-DDE		Water
45	41916	5	N	TONASKET CREEK Serdar, D., (2003), station OKANOTMDL09 shows 2 samples in 2001 exceed the National Toxics Rule criterion.	QE80IG	0	40N	27E	27	4,4'-DDT		Water
45	41908	5	N	TONASKET CREEK Serdar, D., (2003), station OKANOTMDL09 shows 2 samples in 2001 exceed the chronic criterion.	QE80IG	0	40N	27E	27	DDT		Water
45	39385	5	N	TRONSEN CREEK Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45TC00.0, shows between 5/23/2003 and 11/2/2003 there were 35 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 19.00 °Celcius for the 7-day period ending August 1, 2003. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 16.1 degrees C, with a maximum daily temperature of 16.9 degrees C from continuous measurements collected in 1999 at station called 'Tronsen Creek'.	SS59SJ	0	22N	17E	13	Temperature		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
45	41942	5	N	VAN CREEK Ecology unpublished data, (Ecology EIM study WENRTMDL) station 45VC00.1 shows the geometric mean of 204 exceeds the criterion and that 8 of 10 samples (80%) collected in 2003 exceed the percentile criterion.	VF450Q	0	25N	18E	24	Fecal Coliform	Water
45	41834	5	N	VAN CREEK Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45VC00.1 shows that 3 of 10 samples exceed the criterion.	VF450Q	0	25N	18E	24	pH	Water
45	12387	5	N	WENATCHEE RIVER Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple fish composite of edible tissue of Mountain whitefish samples collected in 1984.	HM20EV	0.6	23N	20E	28	4,4'-DDD	Tissue
45	12388	5	N	WENATCHEE RIVER Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple fish composite of edible tissue of Mountain whitefish samples collected in 1984.	HM20EV	0.6	23N	20E	28	4,4'-DDE	Tissue
45	12386	5	N	WENATCHEE RIVER Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple fish composite of edible tissue of Mountain whitefish samples collected in 1984.	HM20EV	0.6	23N	20E	28	4,4'-DDT	Tissue
45	14298	5	N	WENATCHEE RIVER Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple fish composite of edible tissue of Mountain whitefish samples collected in 1984.	HM20EV	0.6	23N	20E	28	ALPHA-BHC	Tissue
45	10705	5	Y	WENATCHEE RIVER Hallock (2003), Dept. of Ecology ambient station 45A110 shows a total of 1 sample in year 2002 exceeded the criterion. Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45A110 shows 1 sample exceeded the criterion in year 2002. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45A110 (WENATCHEE RIVER NEAR LEAVENWORTH) shows 2 excursions beyond the criterion out of 59 samples collected between 1993 - 2001 measured on these dates: 93/08/09, 94/07/13.	HM20EV	56.298	25N	17E	09	Dissolved oxygen	Water This water body is part of an ongoing comprehensive TMDL study in WRIA 45, and was listed in 1998.
45	10702	5	Y	WENATCHEE RIVER Ecology EIM study WENRTMDL, station 45WR01.0 shows that 1 of 1 samples exceeds the criterion. Hallock (2004), Dept. of Ecology ambient station 45A070 shows that 5 of 30 samples exceed the criterion. Ecology EIM study WENRTMDL, station 45A070 shows that 0 of 5 samples exceed the criterion. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45A070 (WENATCHEE RIVER AT WENATCHEE) shows 17 excursions beyond the criterion out of 56 samples collected between 1993 - 2001.	HM20EV	0.6	23N	20E	28	pH	Water High pH

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
45	41269	5	N	WENATCHEE RIVER Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45WR06.5 shows that 7 of 14 samples exceed the criterion.	HM20EV	10.348	23N	19E	11	pH		Water
45	3729	5	Y	WENATCHEE RIVER Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45WR00.5, shows between 6/29/2002 and 10/17/2002 there were 46 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 21.40 °Celcius for the 7-day period ending August 31, 2002. Ecology EIM study WENRTMDL, station 45A070 shows 2 samples exceeded the criterion in year 2002. Dept. of Ecology data from core ambient monitoring station 45A070 (Wenatchee R. at Wenatchee) shows a 7-day mean of daily maximum values of 22.4 for mid-week 24 July 2001. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45A070 (WENATCHEE RIVER AT WENATCHEE) shows 4 excursions beyond the criterion out of 57 samples collected between 1993 - 2001.	HM20EV	0.6	23N	20E	28	Temperature		Water
45	3730	5	N	WENATCHEE RIVER Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45WR35.9, shows between 7/25/2002 and 11/13/2002 there were 34 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 19.65 °Celcius for the 7-day period ending August 30, 2002. Ecology EIM study WENRTMDL, station 45A110 shows 1 samples exceeded the criterion in year 2002. Dept. of Ecology unpublished data from core ambient monitoring station 45A110 (Wenatchee R. near Leavenworth) shows a 7-day mean of daily maximum values of 18.8 for mid-week 10 July 2001. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45A110 (WENATCHEE RIVER NEAR LEAVENWORTH) shows 3 excursions beyond the criterion out of 55 samples collected between 1993 - 2001.	HM20EV	56.298	25N	17E	09	Temperature		Water
45	39386	5	N	WENATCHEE RIVER Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 19.4 degrees C, with a maximum daily temperature of 20.1 degrees C from continuous measurements collected in 2000 at station called 'Wenatchee River'. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 16.4 degrees C, with a maximum daily temperature of 17.4 degrees C from continuous measurements collected in 1999 at station called 'Wenatchee River'.	HM20EV	44.283	24N	17E	10	Temperature		Water
45	41111	5	N	WENATCHEE RIVER Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45WR05.3, shows between 8/7/2002 and 10/17/2002 there were 33 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 21.63 °Celcius for the 7-day period ending August 30, 2002. Ecology EIM study WENRTMDL, station 45WR06.5 shows 1 samples exceeded the criterion in year 2002.	HM20EV	10.348	23N	19E	11	Temperature	Changed from Category 2 to Category 5 on 01/20/05 due to consolidation with Listing ID 42976 (cat 5). -kk	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium		
45	41113	5	N	WENATCHEE RIVER	HM20EV	22.4	24N	18E	35	Temperature		Water		
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45WR14.1, shows between 6/29/2002 and 10/17/2002 there were 29 occurrences in										Changed from Category 2 to Category 5 on
				which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 20.85 °Celcius for the 7-day period ending August 31, 2002.										consolidation with Listing ID 41113 (cat 5). -kk
				Ecology EIM study WENRTMDL, station 45WR14.1 shows 1 samples exceeded the criterion in year 2002.										
45	41114	5	N	WENATCHEE RIVER	HM20EV	27.815	24N	18E	22	Temperature		Water		
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45WR18.1, shows between 6/29/2002 and 10/10/2002 there were 24 occurrences in										Changed from Category 2 to Category 5 on
				which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 20.35 °Celcius for the 7-day period ending August 30, 2002.										consolidation with Listing ID 42857 (cat 5). -kk
				Ecology EIM study WENRTMDL, station 45WR17.2 shows 1 samples exceeded the criterion in year 2002.										
45	41115	5	N	WENATCHEE RIVER	HM20EV	33.781	24N	18E	08	Temperature		Water		
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45WR20.9, shows between 7/25/2002 and 10/17/2002 there were 16 occurrences in										Changed from Category 2 to Category 5 on
				which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 19.90 °Celcius for the 7-day period ending August 30, 2002.										consolidation with Listing ID 42859 (cat 5). -kk
				Ecology EIM study WENRTMDL, station 45WR21.0 shows 1 samples exceeded the criterion in year 2002.										
45	41145	5	N	WENATCHEE RIVER	HM20EV	73.32	26N	17E	12	Temperature		Water		
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45WR46.4, shows between 7/25/2002 and 10/15/2002 there were 37 occurrences in										Changed from Category 2 to Category 5 on
				which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 19.04 °Celcius for the 7-day period ending August 31, 2002.										consolidation with Listing ID 42864 (cat 5).
				Ecology EIM study WENRTMDL, station 45WR46.2 shows 1 samples exceeded the criterion in year 2002.										
45	42855	5	N	WENATCHEE RIVER	HM20EV	16.59	23N	19E	05	Temperature		Water		
Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45WR10.2, shows between 6/29/2002 and 10/17/2002 there were 32 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 21.29 °Celcius for the 7-day period ending August 31, 2002.														
45	42858	5	N	WENATCHEE RIVER	HM20EV	29.928	24N	18E	16	Temperature		Water		
Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45WR18.7, shows between 7/17/2002 and 10/17/2002 there were 37 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 21.14 °Celcius for the 7-day period ending August 31, 2002.														

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
45	42860	5	N	WENATCHEE RIVER	HM20EV	37.696	24N	17E	01	Temperature		Water
Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45WR23.6, shows between 6/29/2002 and 11/13/2002 there were 19 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 19.31 °Celcius for the 7-day period ending August 31, 2002.												
45	42861	5	N	WENATCHEE RIVER	HM20EV	48.937	25N	17E	33	Temperature		Water
Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45WR30.3, shows between 7/25/2002 and 11/13/2002 there were 44 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 18.93 °Celcius for the 7-day period ending August 31, 2002.												
45	42862	5	N	WENATCHEE RIVER	HM20EV	50.722	25N	17E	28	Temperature		Water
Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45WR32.3, shows between 6/29/2002 and 8/8/2002 there were 17 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 17.19 °Celcius for the 7-day period ending July 23, 2002.												
45	42865	5	N	WENATCHEE RIVER	HM20EV	77.556	27N	17E	36	Temperature		Water
Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45WR49.1, shows between 6/29/2002 and 10/16/2002 there were 28 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 19.89 °Celcius for the 7-day period ending August 31, 2002.												
45	42866	5	N	WENATCHEE RIVER	HM20EV	86.01	27N	17E	28	Temperature		Water
Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45WR53.5, shows between 5/13/2002 and 9/8/2002 there were 33 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 19.83 °Celcius for the 7-day period ending August 31, 2002.												
45	42871	5	N	WENATCHEE RIVER	IQ00NP	0	27N	17E	28	Temperature		Water
Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45WR53.9, shows between 4/27/2002 and 10/16/2002 there were 52 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 18.90 °Celcius for the 7-day period ending August 31, 2002.												
45	42977	5	N	WENATCHEE RIVER	HM20EV	52.519	25N	17E	21	Temperature		Water
Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45WR33.0, shows between 4/27/2002 and 10/16/2002 there were 53 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 20.78 °Celcius for the 7-day period ending August 9, 2002.												
45	14299	5	N	WENATCHEE RIVER	HM20EV	0.6	23N	20E	28	Total PCBs		Tissue
Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple fish composite of edible tissue of Mountain whitefish samples collected in 1984.												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
45	34834	5	N	YAKSUM CREEK Serdar and Era-Miller (2002) show 5 excursions beyond the National Toxic Rule criterion from samples collected in 2000.	XL42OT	0.157	23N	19E	09	4,4'-DDD	Water
45	34828	5	N	YAKSUM CREEK Serdar and Era-Miller (2002) show 5 excursions beyond the National Toxic Rule criterion from samples collected in 2000.	XL42OT	0.157	23N	19E	09	4,4'-DDE	Water
45	34831	5	N	YAKSUM CREEK Serdar and Era-Miller (2002) show 5 excursions beyond the National Toxic Rule criterion from samples collected in 2000.	XL42OT	0.157	23N	19E	09	4,4'-DDT	Water
45	41704	5	N	YAKSUM CREEK Ecology unpublished data, (Ecology EIM study WENRTMDL), station 7MC shows that 3 of 10 samples (30%) collected in 2003 exceed the percentile criterion.	XL42OT	0	23N	19E	08	Fecal Coliform	Water
46	10712	5	N	ENTIAT RIVER Hallock (2004), Dept. of Ecology ambient station 46A070 shows that 6 of 30 samples exceed the criterion. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 46A070 (ENTIAT RIVER NEAR ENTIAT) shows 4 excursions beyond the criterion out of 50 samples collected between 1993 - 2001	RX71CE	1.712	25N	21E	18	pH	Water Changed from Category 2 to Category 5 on 01/18/05 due to consolidation with Listing ID 42739. -kk
47	8963	5	Y	CHELAN LAKE USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Rule criterion in Lake Trout composite samples collected on 10/09/2000 at location (Off Stink Creek). Davis and Johnson, 1994. , excursions beyond the criterion of edible fish tissue samples. Davis and Serdar, 1996 , excursions beyond the criterion in edible fish tissue of Kokanee, Rainbow Trout, and Smallmouth Bass during 1994.	292NWR	471201H6	47.875	120.165		4,4'-DDE	Tissue
47	36426	5	N	CHELAN LAKE U.S. EPA unpublished data show the National Toxic Rule criterions was exceeded in a composite of 5 Lake trout fillets collected in 2002. USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Rule criterion in Lake Trout composite samples collected on 10/09/2000 at location (Off Stink Creek).	292NWR	27N	22E	13		4,4'-DDT	Tissue
47	43078	5	N	CHELAN LAKE USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Rule criterion in Lake Trout composite samples collected on 10/09/2000 at location (Off Stink Creek).	292NWR	27N	22E	13		Chlordane	Tissue

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
47	43057	5	N	CHELAN LAKE USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Rule criterion in Lake Trout composite samples collected on 10/09/2000 at location (Off Stink Creek).	292NWR	27N	22E	13	Dieldrin		Tissue
47	43061	5	N	CHELAN LAKE USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Rule criterion in Lake Trout composite samples collected on 10/09/2000 at location (Off Stink Creek).	292NWR	27N	22E	13	Dioxin		Tissue
47	8964	5	Y	CHELAN LAKE USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Rule criterion in Lake Trout composite samples collected on 10/09/2000 at location (Off Stink Creek). Davis and Johnson, 1994. excursions beyond the criterion of edible fish tissue samples. Davis and Serdar, 1996. excursions beyond the criterion in edible fish tissue of Kokanee, Rainbow Trout, and Smallmouth Bass during 1994.	292NWR	471201H6	47.875	120.165	Total PCBs		Tissue
47	14325	5	N	CHELAN RIVER Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple fish composite of edible tissue of Bridgelip sucker and Northern squawfish samples collected in 1984.	J123XG	5.98	27N	22E	13	4,4'-DDD	Tissue
47	14326	5	N	CHELAN RIVER Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple fish composite of edible tissue of Bridgelip sucker and Northern squawfish samples collected in 1984.	J123XG	5.98	27N	22E	13	4,4'-DDE	Tissue
47	14324	5	N	CHELAN RIVER Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple fish composite of edible tissue of Bridgelip sucker and Northern squawfish samples collected in 1984.	J123XG	5.98	27N	22E	13	4,4'-DDT	Tissue
47	14327	5	N	CHELAN RIVER Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple fish composite of edible tissue of Bridgelip sucker and Northern squawfish samples collected in 1984.	J123XG	5.98	27N	22E	13	ALPHA-BHC	Tissue
47	14328	5	N	CHELAN RIVER Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple fish composite of edible tissue of Bridgelip sucker and Northern squawfish samples collected in 1984.	J123XG	5.98	27N	22E	13	Total PCBs	Tissue

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium
				Basis						Remarks	
47	8429	5	Y	COLUMBIA RIVER	NN57SG	819.059	28N	24E	06	Temperature	Water
Washington Dept. of Fish and Wildlife data show (submitted by Hal Michael on 14 September 1995) numerous excursions beyond the criterion at the inflow to the Wells Hatchery.											
Douglas Cuntly PUD station WEL (Wells Forebay) shows 46 excursions beyond the criterion out of 174 days during 2000.											
47	8966	5	Y	ROSES (ALKALI) LAKE	370XQC	28N	21E	26		4,4'-DDE	Tissue
Seiders, 2004 shows fillet samples of largemouth bass collected in 2003 exceeded the National Toxics Rule criterion for 4,4'-DDE.											
Serdar, et al. 1994. , excursions beyond the criterion in edible fish tissue.											
48	39349	5	N	CHEWUCH RIVER	SZ69OB	14.133	36N	21E	35	Temperature	Water
Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show excursions beyond the criterion from measurements collected in 2000, 2001 and 2002 at station 'Chewuch River near Okanogan NF Bdy'.											
48	3732	5	N	METHOW RIVER	EO28MQ	7.226	30N	23E	83	Temperature	Water
Dept. of Ecology unpublished data from core ambient monitoring station 48A070 (Methow R. near Paterous) shows a 7-day mean of daily maximum values of 23.4 for mid-week 10 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 48A070 (METHOW RIVER NEAR PATEROS) shows 2 excursions beyond the criterion out of 55 samples collected between 1993 - 2001											
49	14355	5	N	OKANOGAN RIVER	YN58LL	26.96	32N	25E	09	ALPHA-BHC	Tissue
Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple fish composite of edible tissue of Bridgelip sucker and Largemouth bass samples collected in 1984.											
49	11325	5	N	OKANOGAN RIVER	YN58LL	123.389	40N	27E	27	Dissolved oxygen	Water
Hallock (2003), Dept. of Ecology ambient station 49A190 shows a total of 2 samples in years 2002 and 2003 exceeded the criterion.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 49A190 (OKANOGAN AT OROVILLE) shows 4 excursions beyond the criterion out of 50 samples collected between 1993 - 2001 measured on these dates: 95/06/14, 95/08/16, 95/10/09, 96/10/15.											
DO											
0 excursions beyond the criterion out of 11 samples (36%) at Ecology ambient monitoring station 49A190 between 9/91 and 9/96. (kk- was watercrs ID FY32BX0.000)											
to											
be impaired. (Braley, ECY/WQP, 2003)											
Listed in 1996 based on 4 excursions beyond the criterion at Ecology ambient monitoring station 49A190 between 1985 and 1991.											

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	Remarks
				Basis								
49	11324	5	N	OKANOGAN RIVER	YN58LL	123.38	40N	27E	27	pH	Water	
exceedances												
Hallock (2004), Dept. of Ecology ambient station 49A190 shows that 6 of 30 samples exceed the criterion.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 49A190 (OKANOGAN AT OROVILLE) shows 17 excursions beyond the criterion out of 49 samples collected between 1993 - 2001.												
Changed from Category 2 to Category 5 on 01/18/05 due to consolidation with Listing ID 42743. -kk												
High pH												
Review of this data, in comparison with other lakes in the Columbia Basin ecoregion, suggests that the pH												
in this lake are due to natural conditions (Hallock, EAP, 2003). However, information from the British Columbia Ministry of Land, Air and Water on water quality in Osoyoos Lake cites the quality as poor due to high phosphorus levels. Actual data was not available for review, thus it was not possible to review whether data used to determine the phosphorus levels met QA/QC requirements for listing as polluted in accordance with Ecology Policy 1-11. This is considered a water of concern.												
49	8436	5	Y	OKANOGAN RIVER	YN58LL	24.28	32N	25E	17	Temperature	Water	
4 excursions beyond the criterion at USGS station 12447200 (at Malott) during 1990, 1991, 1992, 1993, and 1994.												
49	11315	5	Y	OKANOGAN RIVER	YN58LL	26.96	32N	25E	09	Temperature	Water	
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 49A070 (OKANOGAN RIVER AT MALOTT) shows 13 excursions beyond the criterion out of 55 samples collected between 1993 - 2001 measured on these dates: 00/08/15, 93/07/13, 93/08/10, 94/07/13, 94/08/10, 95/07/12, 95/08/16, 95/09/13, 96/07/15, 96/08/13, 96/09/10, 97/07/15, 97/08/12,												
49	3734	5	Y	SIMILKAMEEN RIVER	ND93YI	7.908	40N	27E	28	Temperature	Water	
Dept. of Ecology unpublished data from core ambient monitoring station 49B070 (SIMILKAMEEN RIVER AT OROVILLE) shows a 7-day mean of daily maximum values of 23.4 for mid-week 27 July 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 49B070 (SIMILKAMEEN RIVER AT OROVILLE) shows 6 excursions beyond the criterion out of 54 samples collected between 1993 - 2001.												
Washington Dept. of Fish and Wildlife data show (submitted by Hal Michael on 14 September 1995) show numerous excursions beyond the criterion at the inflow to the Similkameen Hatchery.												
Unpublished data from Dept. of Ecology EIM database for the Project AJOH0016 (Similkameen River Arsenic) station 49B070 (SIMILKAMEEN RIVER AT OROVILLE) shows 0 excursions beyond the criterion out of 3 samples collected between 05/00 - 11/01.												
Johnson (1997) station OROVILLE (AT (R.M. 5.0) ABOVE OROVILLE) shows 0 excursions beyond the criterion out of 2 samples collected between 08/95 - 04/96.												
Johnson, 2002. Station 49B070 (SIMILKAMEEN RIVER AT OROVILLE) shows 0 excursions beyond the criterion out of 3 samples collected between 05/00 - 11/01.												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks		
50	6310	5	N	COLUMBIA RIVER	NN57SG	865.11 6	29N	25E	24	Temperature	Water	EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway.		
				U.S. Army Corp of Engineers (2002a) station CHQW (Chief Joseph Tailwater) shows 39 excursions beyond the criterion out of 243 days during 2001.										
				U.S. Army Corps Of Engineers (2002a) station CHJ (Chief Joseph Forebay) showed 104 excursions beyond the criterion out of 361 days during 2001.										
				U.S. Army Corp of Engineers (2001) station CHQW (Chief Joseph Tailwater) shows 0 days exceeding the criterion in 2000.										
				U.S. Army Corps Of Engineers (2001) station CHJ (Chief Joseph Forebay) showed 1 days excceding the criterion during 2000.										
50	40951	5	N	COLUMBIA RIVER	NN57SG	817.19 4	28N	24E	07	Temperature	Water	EPA has the lead in a temperature TMDL for the Columbia and Snakes Rivers that is underway.		
				Pickett, 2002, shows no excursions beyond the citerion from measurements collected in May and July 2002.										
				Douglas County PUD station WELW (Wells Tailrace) shows 43 excursions beyong the criterion out of 163 days during 2000.										
52	8177	5	Y	SANPOIL RIVER	JM31YT	97.184	36N	33E	07	Dissolved oxygen	Water			
				Ferry County Conservation District data (submitted by Patti Stone of the Confederated Colville Tribes on 10/31/97) show excursions beyond the criterion) at McNichols bridge in 1992 and 1993.										
52	16847	5	N	SANPOIL RIVER	JM31YT	75.51	34N	32E	01	Fecal Coliform	Water			
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 52A110 (Sanpoil R. 13 miles South of Republic) shows a geometric mean of 4 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 3 samples collected during 1994.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 52A110 (Sanpoil R. 13 miles South of Republic) shows a geometric mean of 68 exceeds the criterion and that 38% of the samples exceeds the percentile criterion from 8 samples collected during 1995.										
53	43197	5	N	BUFFALO LAKE	017GYB	30N	31E	27		Dioxin	Tissue			
				USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Rule criterion in Largemouth Bass composite samples collected on 07/24/2002 at location (N. Shore Areas In 6-8 Foot Depth).										
53	43205	5	N	BUFFALO LAKE	UNK000	30N	31E	27		Heptachlor	Tissue			
				USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Rule criterion in Largemouth Bass composite samples collected on 07/24/2002 at location (N. Shore Areas In 6-8 Foot Depth).										
53	43215	5	N	BUFFALO LAKE	UNK000	30N	31E	27		Total PCBs	Tissue			
				USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Rule criterion in Largemouth Bass composite samples collected on 07/24/2002 at location (N. Shore Areas In 6-8 Foot Depth).										

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
53	42784	5	N	COLUMBIA RIVER	NN57SG	945.56 6	29N	30E	36	Dissolved oxygen		Water
				Hallock (2003), Dept. of Ecology ambient station 53A070 shows a total of 2 samples in years 2001 and 2003 exceeded the criterion.								
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 53A070 (COLUMBIA RIVER AT GRAND COULEE) shows 1 excursions beyond the criterion out of 48 samples collected between 1993 - 2001 measured on 94/10/12.								
53	40952	5	N	COLUMBIA RIVER	NN57SG	47118J9F7	47.955		118.975	Temperature		Water
				U.S. Bureau of Reclamation unpublished data at station GCL (Grand Coulee Forebay) shows 95 excursions beyond the criterion out of 359 days during 2001.								
				EPA has the lead in a temperature TMDL for the Columbia Snakes Rivers that is underway.								
53	43029	5	Y	FRANKLIN D. ROOSEVELT LAKE	NN57SG	975.08 1	28N	33E	08	Dissolved oxygen		Water
				3 excursuins beyond the criterion at Ecology ambient monitoring station 52B070 (RM 614.5) during 1991.								
				This listing appeared on the 1996 and 1998 lists, but failed to be included in the 2002/2004 listings. Re-added 02/08/05. -								
53	43028	5	Y	FRANKLIN D. ROOSEVELT LAKE	NN57SG	975.08 1	28N	33E	08	Temperature		Water
				3 excursions beyond the criterion at Ecology ambient monitoring station 52B070 (RM 614.5) during 1991.								
				This listing appeared on the 1996 and 1998 lists, but failed to be included in the 2002/2004 listings. Re-added 02/08/05. -								
54	42410	5	N	LONG LAKE (RESERVOIR)	QZ45UE	81.693	27N	41E	22	2,3,7,8-TCDD		Tissue
				Seiders, 2004. shows the National Toxics Rule criterion was exceeded in Mountain whitefish fillet samples collected 6/18/2001.								
				Name changed on 3/2/05 from SPOKANE RIVER to LONG LAKE (RESERVOIR). -kk								
54	40939	5	N	LONG LAKE (RESERVOIR)	QZ45UE	63.956	27N	40E	15	Dissolved oxygen		Water
				Cusimano (2003) Draft - Hypolimnetic Dissolved Oxygen concentrations in Lake Spokane are depressed due to human caused internal and external BOD loading.								
54	9015	5	Y	LONG LAKE (RESERVOIR)	QZ45UE	63.064	27N	40E	22	Total PCBs		Tissue
				Johnson, et al. 1994. excursions beyond the National Toxics rule criterion in fillet samples of Yellow Perch, Largemouth Bass, and Mountain Whitefish in 1993.								
54	9021	5	Y	LONG LAKE (RESERVOIR)	QZ45UE	91.888	26N	42E	05	Total PCBs		Tissue
				Washington Dept. of Ecology, 1995. excursions beyond the National Toxic Rule criterion in edible tissue of Brown Trout in 1993-94.								
54	36440	5	N	LONG LAKE (RESERVOIR)	QZ45UE	55.823	27N	39E	24	Total PCBs		Tissue
				Jack and Roose (2002) show exursions beyond the National Toxics Rule criterion in Largemouth bass, Largecale sucker, Mountain whitefish, Smallmouth bass, and Yellow perch fillet samples collected in 2001.								

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
54	36441	5	N	LONG LAKE (RESERVOIR) Jack and Roose (2002) show excursions beyond the National Toxics Rule criterion in Largemouth bass, Largecale sucker, Mountain whitefish, Smallmouth bass, and Yellow perch fillet samples collected in 2001.	QZ45UE	81.693	27N	41E	22	Total PCBs		Tissue
54	42411	5	N	SPOKANE RIVER Seiders, 2004. shows the National Toxics Rule criterion was exceeded in Rainbow trout fillet samples collected 9/16/2003.	QZ45UE	99.346	26N	42E	20	2,3,7,8-TCDD		Tissue
54	15188	5	N	SPOKANE RIVER Dept. of Ecology unpublished data from the Spokane River TMDL at RM 60.9 shows no excursions beyond the criterion from continuous Hydrolab measurements collected during September 2000. Dept. of Ecology unpublished data from the Spokane River TMDL at RM 60.9 shows excursions beyond the criterion from a 7-day mean of minimum daily continuous Hydrolab measurements collected during August 2001.	QZ45UE	96.37	26N	42E	17	Dissolved oxygen	WRIA changed from 57 to 54. 11/16/04 -kk	Water
54	16853	5	N	SPOKANE RIVER Hallock (2004), Dept. of Ecology ambient station 54A120 shows 2 of 12 samples (16.7%) in year 2003 exceeded the percentile criterion. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 54A120 (Spokane R. at Riverside St. Park) shows a geometric mean of 10 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 8 samples collected during 2001. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 54A120 (Spokane R. at Riverside St. Park) shows a geometric mean of 10 does not exceed the criterion and that 8% of the samples does not exceed the percentile criterion from 12 samples collected during 2000. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 54A120 (Spokane R. at Riverside St. Park) shows a geometric mean of 38 does not exceed the criterion and that 8% of the samples does not exceed the percentile criterion from 12 samples collected during 1999. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 54A120 (Spokane R. at Riverside St. Park) shows a geometric mean of 42 does not exceed the criterion and that 17% of the samples exceeds the percentile criterion from 12 samples collected during 1998. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 54A120 (Spokane R. at Riverside St. Park) shows a geometric mean of 32 does not exceed the criterion and that 9% of the samples does not exceed the percentile criterion from 11 samples collected during 1997. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 54A120 (Spokane R. at Riverside St. Park) shows a geometric mean of 27 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 6 samples collected during 1996. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 54A120 (Spokane R. at Riverside St. Park) shows a geometric mean of 120 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 9 samples collected during 1995. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 54A120 (Spokane R. at Riverside St. Park) shows a geometric mean of 50 does not exceed the criterion and that 17% of the samples exceeds the percentile criterion from 12 samples collected during 1994. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 54A120 (Spokane R. at Riverside St. Park) shows a geometric mean of 17 does not exceed the criterion and that 8% of the samples does not exceed the percentile criterion from 12 samples collected during 1993.	QZ45UE	106.23	25N	42E	04	Fecal Coliform		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
54	15183	5	N	SPOKANE RIVER Unpublished data from Little Falls Dam tailrace show the criterion was exceeded during March-June 2000.	QZ45UE	46.321	27N	39E	20	Total Dissolved Gas		Water
											A TMDL is underway for total dissolved gas (Pickett, ECY/EAP 2003)	
54	15184	5	N	SPOKANE RIVER Unpublished data from Long Lake Dam tailrace show the criterion was exceeded during March-June 2000.	QZ45UE	52.736	27N	39E	14	Total Dissolved Gas		Water
											A TMDL is underway for total dissolved gas (Pickett, ECY/EAP 2003)	
54	9027	5	Y	SPOKANE RIVER Johnson, et al. 1994. excursions beyond the National Toxics rule criterion in fillet samples of Walleye, Smallmouth Bass, and Kokanee in 1993.	QZ45UE	19.589	28N	37E	33	Total PCBs		Tissue
54	9033	5	Y	SPOKANE RIVER Johnson, et al. 1994. excursions beyond the National Toxics rule criterion in fillet samples of Rainbow Trout and Mountain Whitefish in 1993.	QZ45UE	94.079	26N	42E	07	Total PCBs		Tissue
54	14385	5	N	SPOKANE RIVER Johnson, 1997. show excursions beyond the National Toxics Rule Criterion in Rainbow Trout and Mountain whitefish fillet samples collected in 1996 above Nine-Mile Dam.	QZ45UE	96.37	26N	42E	17	Total PCBs		Tissue
54	14400	5	N	SPOKANE RIVER Johnson, 2000. show excursions beyond the National Toxics Rule Criterion in Mountain whitefish, Largescale sucker and Rainbow Trout fillet samples collected in WRIA changed from 57 to 54. 11/16/04 -kk 1999 at 7-Mile Bridge.	QZ45UE	101.387	26N	42E	28	Total PCBs		Tissue
55	41973	5	N	DEADMAN CREEK Spokane Conservation District data (submitted 4/29/2004), station DM-3 shows that 5 samples in 2001, and 1 sample in 2002 exceeded the criterion.	MY92TJ	6.611	26N	43E	01	Ammonia-N		Water
55	41975	5	N	DEADMAN CREEK Spokane Conservation District data (submitted 4/29/2004), station DM-6 shows that 1 sample in 2001, and 1 sample in 2002 exceeded the criterion.	MY92TJ	1.805	26N	43E	03	Ammonia-N		Water
55	41976	5	N	DEADMAN CREEK Spokane Conservation District data (submitted 4/29/2004), station DM-7 shows that 2 samples in 2002 exceeded the criterion. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 55C065 (Deadman Cr nr Mouth) shows 0 excursions beyond the criterion out of 5 samples collected between 1993 - 2001	MY92TJ	0	27N	43E	33	Ammonia-N		Water
55	41981	5	N	DEADMAN CREEK Spokane Conservation District data (submitted 4/29/2004), station DM-3 shows that 7 samples collected in years 2001 and 2002 exceeded the criterion with at least one exceedance in each of these years.	MY92TJ	6.611	26N	43E	01	Dissolved oxygen		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
55	8442	5	Y	DRAGOON CREEK Juul, 1991, high fecal coliform values were measured at the Spokane County Border on 10/15/90 and 2/6/91. (1 excursion in 1990 and 2 excursions in 1991).	GL94EJ	31.342	29N	42E	08	Fecal Coliform		Water
55	42597	5	N	LITTLE SPOKANE RIVER Hallock (2003), Dept. of Ecology ambient station 55B070 shows a total of 3 samples in years 2002 and 2003 exceeded the criterion. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 55B070 (LITTLE SPOKANE RIVER NEAR MOUTH) shows 3 excursions beyond the criterion out of 53 samples collected between 1993 - 2001 measured on these dates: 97/05/06, 97/06/03, 97/08/05, Cusimano (2001) station LSK56.4 (Little Spokane River (LSK56.4)) shows 0 excursions beyond the criterion out of 12 samples collected between 06/00 - 09/00. Cusimano (2001) station LSK56.4 (Little Spokane River (LSK56.4)) shows 0 excursions beyond the criterion out of 12 samples collected between 06/00 - 09/00. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 55B070 (LITTLE SPOKANE RIVER NEAR MOUTH) shows 3 excursions beyond the criterion out of 53 samples collected between 1993 - 2001 measured on these dates: 97/05/06, 97/06/03, 97/08/05.	JZ70CP	1.086	26N	42E	05	Dissolved oxygen	This record flagged as being listed in 1996 due to roll up process. 12/14/04 -kk	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	Remarks
				Basis								
55	16861	5	N	LITTLE SPOKANE RIVER	JZ70CP	1.086	26N	42E	05	Fecal Coliform	Water	
Hallock (2004), Dept. of Ecology ambient station 55B070 shows 2 of 12 samples (16.7%) in year 2003 exceeded the percentile criterion.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 55B070 (Little Spokane R. near Mouth) shows a geometric mean of 62 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 8 samples collected during 2001.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 55B070 (Little Spokane R. near Mouth) shows a geometric mean of 22 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 2000.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 55B070 (Little Spokane R. near Mouth) shows a geometric mean of 22 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 1999.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 55B070 (Little Spokane R. near Mouth) shows a geometric mean of 24 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 19 samples collected during 1998.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 55B070 (Little Spokane R. near Mouth) shows a geometric mean of 38 does not exceed the criterion and that 9% of the samples does not exceed the percentile criterion from 11 samples collected during 1997.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 55B070 (Little Spokane R. near Mouth) shows a geometric mean of 41 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 6 samples collected during 1996.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 55B070 (Little Spokane R. near Mouth) shows a geometric mean of 38 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 1995.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 55B070 (Little Spokane R. near Mouth) shows a geometric mean of 18 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 14 samples collected during 1994.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 55B070 (Little Spokane R. near Mouth) shows a geometric mean of 28 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 3 samples collected during 1993.												
55	9051	5	Y	LITTLE SPOKANE RIVER	JZ70CP	3.898	26N	42E	04	Total PCBs	Tissue	
Washington Dept. of Ecology, 1995. excursions beyond the National Toxics rule criterion in samples of edible tissue of Rainbow Trout in 1994.												
Johnson, 1997. show excursions beyond the National Toxics Rule Criterion in Mountain whitefish fillet samples collected in 1996.												
55	15924	5	N	LITTLE SPOKANE RIVER	JZ70CP	14.329	26N	43E	06	Turbidity	Water	
Hallock, 2002. shows 3 excursions beyond the criterion out of 11 samples collected between 1992 and 2001 derived by the difference between the upstream station 55B200 (Little Spokane @ Chattaroy) and the downstream station 55B082 (Little Spokane R abv Dartford).												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Medium	Remarks		
Fecal	55	6325	5	N	SACHEEN LAKE	544MNG	31N	43E	35	Fecal Coliform	Water	Completed Phase I State Clean Lakes Restoration Project in 1991 - Problems Encountered: Blue-green algae, low dissolved oxygen, sediment phosphorus recycling, tributary nutrient inputs, fecal coliform bacteria, aquatic macrophytes (Eurasian watermilfoil).Kennedy Engineers, 1991. Completed Phase I State Clean Lakes Restoration Project in 1991 - Problems Encountered: Blue-green algae, low dissolved oxygen, sediment phosphorus recycling, tributary nutrient inputs, fecal coliform bacteria, aquatic macrophytes (Eurasian watermilfoil).	Active Phase II State Clean Lakes Restoration Project: Control measures underway based on the Phase I study - aquatic herbicides, watershed nutrient management, septic tank elimination, lake level regulation, public education.
												coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	
	55	6367	5	N	SACHEEN LAKE	544MNG	31N	43E	35	Total Phosphorus	Water	Completed Phase I State Clean Lakes Restoration Project in 1991 - Problems Encountered: Blue-green algae, low dissolved oxygen, sediment phosphorus recycling, tributary nutrient inputs, fecal coliform bacteria, aquatic macrophytes (Eurasian watermilfoil).Kennedy Engineers, 1991.	Active Phase II State Clean Lakes Restoration Project: Control measures underway based on the Phase I study - aquatic herbicides, watershed nutrient management, septic tank elimination, lake level regulation, public education.
	55	42356	5	N	UNNAMED CREEK (AT HWY 27)	UNK000	0	26N	43E	03	Ammonia-N	Water	Spokane Conservation District data (submitted 4/29/2004), station DM-6C shows that 1 sample in 2001, and 1 sample in 2002 exceeded the criterion.
	55	42354	5	N	UNNAMED CREEK (SPRING NEAR KAISER OUTFALL)	UNK000	0	26N	43E	03	Ammonia-N	Water	Spokane Conservation District data (submitted 4/29/2004), station DM-6A shows that 1 sample in 2001, and 1 sample in 2002 exceeded the criterion.
	55	42359	5	N	UNNAMED CREEK (SPRING NEAR KAISER OUTFALL)	UNK000	0	26N	43E	03	Dissolved oxygen	Water	Spokane Conservation District data (submitted 4/29/2004), station DM-6A shows that 5 samples collected in years 2001 and 2002 exceeded the criterion with at least one exceedance in each of these years.
	56	41977	5	N	HANGMAN CREEK	TD36NP	90.798	20N	46E	29	Ammonia-N	Water	Spokane Conservation District data (submitted 4/29/2004), station HCStateline shows that 2 samples in 1994, and 14 samples in 1995 exceeded the criterion.
	56	41978	5	N	HANGMAN CREEK	TD36NP	48.284	22N	44E	16	Ammonia-N	Water	Spokane Conservation District data (submitted 4/29/2004), station HCBradshaw shows that 3 samples in 1996, and5 samples in 1997 exceeded the criterion.
												Hallock (2001) Dept. of Ecology Ambient Monitoring Station 56A200 (Hangman Creek @ Bradshaw Road) shows 0 excursions beyond the criterion out of 10 samples collected between 1993 - 2001	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
56	41985	5	N	HANGMAN CREEK	TD36NP	90.798	20N	46E	29	Dissolved oxygen		Water
Spokane Conservation District data (submitted 4/29/2004), station HCStateline(99) shows that 1 sample collected in the year 2001 exceeded the criterion.											Changed from Category 2 to Category 5 on 01/21/05 due to consolidation with Listing ID 41986 (cat 2). -kk	
											Removed name of data submitter. 11/23/04 -kk	
56	41987	5	N	HANGMAN CREEK	TD36NP	48.284	22N	44E	16	Dissolved oxygen		Water
Spokane Conservation District data (submitted 4/29/2004), station HCBradshaw(99) shows that 1 sample collected in the year 2001 exceeded the criterion.												
Spokane Conservation District data (submitted 4/29/2004), station HCBradshaw shows that 7 samples collected in years 1996 and 1997 exceeded the criterion with at least one exceedance in each of these years.												
56	6726	5	Y	HANGMAN CREEK	TD36NP	84.46	20N	45E	13	Fecal Coliform		Water
Carey, 1989, 2 excursions beyond the criterion at RM 53.82 on 8/30/88 and 8/31/88.											Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 303(d)	
											assessment.	

list

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
56	16862	5	N	HANGMAN CREEK	TD36NP	0.573	25N	42E	23	Fecal Coliform	Water
Hallock (2004), Dept. of Ecology ambient station 56A070 shows 2 of 12 samples (16.7%) in year 2003 exceeded the percentile criterion.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 56A070 (Hangman Cr. at Spokane) shows a geometric mean of 12 does not exceed the criterion and that 12% of the samples exceeds the percentile criterion from 8 samples collected during 2001.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 56A070 (Hangman Cr. at Spokane) shows a geometric mean of 22 does not exceed the criterion and that 9% of the samples does not exceed the percentile criterion from 11 samples collected during 2000.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 56A070 (Hangman Cr. at Spokane) shows a geometric mean of 67 does not exceed the criterion and that 38% of the samples exceeds the percentile criterion from 13 samples collected during 1999.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 56A070 (Hangman Cr. at Spokane) shows a geometric mean of 50 does not exceed the criterion and that 17% of the samples exceeds the percentile criterion from 12 samples collected during 1998.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 56A070 (Hangman Cr. at Spokane) shows a geometric mean of 91 does not exceed the criterion and that 27% of the samples exceeds the percentile criterion from 11 samples collected during 1997.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 56A070 (Hangman Cr. at Spokane) shows a geometric mean of 51 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 6 samples collected during 1996.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 56A070 (Hangman Cr. at Spokane) shows a geometric mean of 44 does not exceed the criterion and that 20% of the samples exceeds the percentile criterion from 10 samples collected during 1995.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 56A070 (Hangman Cr. at Spokane) shows a geometric mean of 10 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 2 samples collected during 1994.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 56A070 (Hangman Cr. at Spokane) shows a geometric mean of 46 does not exceed the criterion and that 12% of the samples exceeds the percentile criterion from 8 samples collected during 1993.											
56	16863	5	N	HANGMAN CREEK	TD36NP	48.284	22N	44E	16	Fecal Coliform	Water
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 56A200 (Hangman Creek @ Bradshaw Road) shows a geometric mean of 62 does not exceed the criterion and that 22% of the samples exceeds the percentile criterion from 9 samples collected during 1999.											
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 56A200 (Hangman Creek @ Bradshaw Road) shows a geometric mean of 41 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 3 samples collected during 1998.											
56	41992	5	N	HANGMAN CREEK	TD36NP	90.798	20N	46E	29	Fecal Coliform	Water
Spokane Conservation District data (submitted 4/29/2004), station HCStateline shows 1 of 6 samples (16.7%) exceeded the percentile criterion in 1994 and 3 of 19 samples (15.8%) exceeded the percentile criterion in 1995.											
56	41993	5	N	HANGMAN CREEK	TD36NP	48.284	22N	44E	16	Fecal Coliform	Water
Spokane Conservation District data (submitted 4/29/2004), station HCBradshaw shows a geometric mean of 106.5 exceeded the criterion in 1996; 3 of 13 samples (23.1%) exceeded the percentile criterion in 1996; and 1 of 11 samples exceeded the percentile criterion in 1997.											

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
56	11391	5	Y	HANGMAN CREEK	TD36NP	0.573	25N	42E	23	pH		Water
				Hallock (2004), Dept. of Ecology ambient station 56A070 shows that 2 of 29 samples exceed the criterion.								
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 56A070 (HANGMAN CREEK AT MOUTH) shows 16 excursions beyond the criterion out of 47 samples collected between 1993 - 2001.								
				Cusimano (2001) station HNG72.4 (Hangman Creek (HNG72.4)) shows 0 excursions beyond the criterion out of 4 samples collected between 06/00 - 09/00.								
56	3736	5	Y	HANGMAN CREEK	TD36NP	0.573	25N	42E	23	Temperature		Water
				Dept. of Ecology unpublished data from core ambient monitoring station 56A070 (Hangman Cr. at Spokane) shows a 7-day mean of daily maximum values of 25.4 for mid-week 12 July 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 56A070 (HANGMAN CREEK AT MOUTH) shows 9 excursions beyond the criterion out of 47 samples collected between 1993 - 2001								
				Cusimano (2001) station HNG72.4 (Hangman Creek (HNG72.4)) shows 2 excursions beyond the criterion out of 4 samples collected between 06/00 - 09/00 .								
56	40942	5	N	HANGMAN CREEK	TD36NP	48.284	22N	44E	16	Turbidity		Water
				Spokane CD (1999) shows low flow turbidity excursions in 1 out of 16 samples and high flow turbidity excursions in 14 out of 23 samples.								
56	41979	5	N	LITTLE HANGMAN CREEK	DB09ZX	0.258	20N	45E	13	Ammonia-N		Water
				Spokane Conservation District data (submitted 4/29/2004), station LHC-Tekoa shows that 12 samples in 1994, and 3 samples in 1995 exceeded the criterion.								
56	41994	5	N	LITTLE HANGMAN CREEK	DB09ZX	0.258	20N	45E	13	Fecal Coliform		Water
				Spokane Conservation District data (submitted 4/29/2004), station LHC-Tekoa shows 1 of 6 samples (16.7%) exceeded the percentile criterion in 1994 and 7 of 19 samples (36.8%) exceeded the percentile criterion in 1995.								
56	40940	5	N	LITTLE HANGMAN CREEK	DB09ZX	0	20N	45E	24	Turbidity		Water
				Spokane CD (1999) shows low flow turbidity excursions in 7 out of 19 samples and high flow turbidity excursions in 6 out of 10 samples.								
56	40941	5	N	RATTLERS RUN CREEK	OS64LX	0	22N	44E	16	Turbidity		Water
				Spokane CD (1999) shows low flow turbidity excursions in 7 out of 41 samples and high flow turbidity excursions in 6 out of 10 samples.								
56	41990	5	N	ROCK CREEK	HW71ES	11.615	23N	44E	23	Dissolved oxygen		Water
				Spokane Conservation District data (submitted 4/29/2004), station RC-Jackson shows that 8 samples collected in years 1995 and 1997 exceeded the criterion with at least one exceedance in each of these years.								

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
in	56	41996	5	N	ROCK CREEK	HW71ES	11.615	23N	44E	23	Fecal Coliform	Water
	Spokane Conservation District data (submitted 4/29/2004), station RC-Jackson shows 2 of 7 samples (28.6%) exceeded the percentile criterion in 1994; 8 of 25 samples (32.0%) exceeded the percentile criterion in 1995; 2 of 14 samples (14.3%) exceeded the percentile criterion in 1996; and 5 of 12 sample (41.7%) exceeded the percentile criterion in 1997.											
	56	40943	5	N	ROCK CREEK	HW71ES	11.615	23N	44E	23	Turbidity	Water
	Spokane CD (1999) shows low flow turbidity excursions in 6 out of 44 samples and high flow turbidity excursions in 46 out of 63 samples.											
	57	17482	5	N	LIBERTY LAKE	WM44TL	25N	45E	22	4,4'-DDE	Tissue	
Seiders, 2002. show the National Toxics Rule criterion was exceeded in fillet samples of Brown trout collected in 2001.												
	57	17484	5	N	LIBERTY LAKE	WM44TL	25N	45E	22	Total PCBs	Tissue	
	Seiders, 2002. show the National Toxics Rule criterion was exceeded in fillet samples of Brown trout collected in 2001.											
	57	6358	5	Y	NEWMAN LAKE	572HJX	26N	45E	11	Total Phosphorus	Water	
	Completed Phase I State Clean Lakes Restoration Project in 1988 - Problems Encountered: Blue-green algae, hypolimnetic anoxia, turbidity, tributary nutrient inputs, sediment phosphorus recycling, low transparency. Funk and Moore, 1988.											Completed Phase II State Clean Lakes Restoration Project
												1995: Control measures implemented based on the Phase I Study - phosphorus precipitation/inactivation, hypolimnetic aeration, watershed nutrient management(stream bank fencing, septic system management, ordinance development), public education. Spokane County adopted a 'Comprehensive Plan for Development for Storm water Control in the Newman Lake Watershed '(prepared by Douglas Robison and William Funk at WSU) in Feb. 1997. An alum injection system was installed in conjunction with the hypolimnetic aerator diffuser ports in 1997.

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
57	11400	5	N	SPOKANE RIVER	QZ45UE	154.28	25N	46E	06	Dissolved oxygen		Water
Hallock (2003), Dept. of Ecology ambient station 57A150 shows a total of 4 samples in years 2002 and 2003 exceeded the criterion.												
Cusimano (2001) station 57A150 (Spokane R. at Stateline Bridge) shows 3 excursions beyond the criterion out of 8 samples collected between 06/00 - 09/00.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 57A150 (SPOKANE RIVER AT STATELINE BRIDGE) shows 8 excursions beyond the criterion out of 63 samples collected between 1993 - 2001 measured on these dates: 00/08/06, 93/08/04, 93/09/08, 94/08/02, 95/08/07, 95/09/05, 96/08/05, 97/08/05.												
Dept. of Ecology unpublished data from the Spokane River TMDL at RM 96 shows excursions beyond the criterion from a 7-day mean of minimum daily continuous Hydrolab measurements collected during August 2001.												
Dept. of Ecology unpublished data from the Spokane River TMDL at RM 96 shows excursions beyond the criterion from continuous Hydrolab measurements collected during 16-18 August 1999.												
57	15187	5	N	SPOKANE RIVER	QZ45UE	118.88	25N	43E	18	Dissolved oxygen		Water
Dept. of Ecology unpublished data from the Spokane River TMDL at RM 74.8 shows excursions beyond the criterion from a 7-day mean of minimum daily continuous Hydrolab measurements collected during August 2001.												
Dept. of Ecology unpublished data from the Spokane River TMDL at RM 74.4 shows no excursions beyond the criterion from continuous Hydrolab measurements collected during 24-25 August 1999.												
Cusimano (2001) station SPK73.4 (Spokane River (SPK73.4)) shows 0 excursions beyond the criterion out of 4 samples collected between 06/00 - 09/00 .												
57	17523	5	N	SPOKANE RIVER	QZ45UE	129.11	25N	43E	02	Dissolved oxygen		Water
Dept. of Ecology unpublished data from the Spokane River TMDL at RM 79.9 shows excursions beyond the criterion from a 7-day mean of minimum daily continuous Hydrolab measurements collected during August 2001.												

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	Remarks
				Basis								
57	3737	5	N	SPOKANE RIVER	QZ45UE	154.28	25N	46E	06	Temperature	Water	
				Dept. of Ecology unpublished data from core ambient monitoring station 57A150 (Spokane R. at Stateline Bridge) shows a 7-day mean of daily maximum values of 25.9 for mid-week 14 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 57A150 (SPOKANE RIVER AT STATELINE BRIDGE) shows 8 excursions beyond the criterion out of 63 samples collected between 1993 - 2001	5							The Spokane River originates from surface-level outflows from a large natural lake that may cause temperature criteria exceedances under natural conditions. A rationale with supporting documentation submitted by Lincoln Loehr on 17 December 2002 suggests the high temperature values are a natural condition caused by effects of Lake Coeur d'Alene upstream. However, there is insufficient data to rule out the possibility that human activities have increased water temperatures over natural conditions in excess of allowable limits, such as from dams or point source discharges located on the river. This river also flows into tribal jurisdiction. Until further study is done, it is not possible to rule out that human factors aren't contributing to the problem. (Pickett,
				Dept. of Ecology unpublished data from the Spokane River TMDL at RM 96 shows excursions beyond the criterion from continuous Hydrolab measurements collected during 16-17 August 1999.								
				U.S.Geological Survey data from NWIS database station 12419500 (Spokane R abv Liberty Br. Nr Otis Orchard, WA) shows 1 excursions beyond the criterion out of 10 samples collected between 01/93 - 10/00.								
				Cusimano (2001) station 57A150 (Spokane R. at Stateline Bridge) shows 6 excursions beyond the criterion out of 8 samples collected between 06/00 - 09/00 .								
ECY/EAP,				Dept. of Ecology unpublished data from the Spokane River TMDL at RM 96 shows excursions beyond the criterion from a 7-day mean of maximum daily continuous Hydrolab measurements collected during August 2001.								2003) (Parodi, ECY/ERO, 2003)
57	8201	5	Y	SPOKANE RIVER	QZ45UE	134.53	25N	44E	04	Total PCBs	Tissue	
				Johnson, et al. 1994. excursions beyond the National Toxics rule criterion in fillet samples of Rainbow Trout in 1993.	7							
57	8202	5	Y	SPOKANE RIVER	QZ45UE	123.65	25N	43E	09	Total PCBs	Tissue	
				Washington Dept. of Ecology, 1995. excursions beyond the National Rule criterion in multiple samples of edible tissue of Rainbow Trout in 1993-94.								
				Johnson, 2000. show excursions beyond the National Toxics Rule Criterion in Mountain whitefish, Largescale sucker and Rainbow Trout fillet samples collected in 1999 at Greene Street.								
57	8207	5	Y	SPOKANE RIVER	QZ45UE	132.89	25N	44E	05	Total PCBs	Tissue	
				Washington Dept. of Ecology, 1995. excursions beyond the National Rule criterion in multiple samples of edible tissue of Rainbow Trout, White Crappie, and Mountain Whitefish in 1993-94.	7							
				Johnson, 1997. show excursions beyond the National Toxics Rule Criterion in Rainbow Trout fillet samples collected in 1996 at Trent Rd.								
57	14397	5	N	SPOKANE RIVER	QZ45UE	152.35	25N	45E	01	Total PCBs	Tissue	
				Johnson, 2000. show excursions beyond the National Toxics Rule Criterion in Largescale sucker and Rainbow Trout fillet samples collected in 1999 at the Stateline.	3							
57	14398	5	N	SPOKANE RIVER	QZ45UE	136.58	25N	44E	03	Total PCBs	Tissue	
				Johnson, 2000. show excursions beyond the National Toxics Rule Criterion in Largescale sucker and Rainbow Trout fillet samples collected in 1999 at the Plante Ferry Site Park.	4							

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
57	14402	5	N	SPOKANE RIVER	QZ45UE	123.319	25N	43E	16	Total PCBs		Tissue
Johnson, 1997. show excursions beyond the National Toxics Rule Criterion in Rainbow Trout and Mountain whitefish fillet samples collected in 1996 above Monroe Street Dam.												
58	9062	5	Y	FRANKLIN D. ROOSEVELT LAKE	NN57SG	48118F1G2	48.565		118.125	Mercury		Tissue
Johnson and Serdar, 1991. , excursions beyond the National Toxic Rule criterion in Largescale Sucker muscle tissue sampled just south of Colville River mouth in 9/89.;												
58	37904	5	N	MCGAHEE CREEK	RZ61OA	0	36N	35E	15	Dissolved oxygen		Water
Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'McGahee Creek G S' show excursions beyond the criterion from measurements collected in 1996, 1997 and 1999.											A rationale submitted by Albertus Wasson on 16 December 2002 suggests the low dissolved oxygen values are a natural condition caused by a lower atmospheric pressure at higher elevations and warm temperatures that reduce the saturation potential.	
											This waterbody is part of a TMDL study that will determine whether or not excursions are due to natural conditions.	
58	21731	5	N	SHERMAN CREEK	ZX69DW	2.607	36N	37E	28	Temperature		Water
Colville National Forest Temperature TMDL Study unpublished data show a 7-day mean of daily maximum values of 19.9 from continuous measurements collected in 2002.											This waterbody is part of a TMDL study that will determine whether or not excursions are due to natural conditions.	
Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'Sherman Site 1' show 1 excursion beyond the criterion from measurements collected in 1994.												
58	37925	5	N	SHERMAN CREEK, S.F.	ZZ61AF	0.97	36N	36E	32	Dissolved oxygen		Water
Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'S FK Sherman (G.S.)' show excursions beyond the criterion from measurements collected in 1994, 1998, 1999, 2000 and 2001.											A rationale submitted by Albertus Wasson on 16 December 2002 suggests the low dissolved oxygen values are a natural condition caused by a lower atmospheric pressure at higher elevations and warm temperatures that reduce the saturation potential.	
											This waterbody is part of a TMDL study that will determine whether or not excursions are due to natural conditions.	
59	6383	5	N	CHEWELAH CREEK	QM52AR	0	32N	40E	23	Temperature		Water
Unpublished data collected for planning the Colville Temperature TMDL shows a 7-day mean of daily maximum values of 18.4 for week ending 06-AUG-2000 at these station CHEW10 (LB @ CHEW10 gaging station).											Was Coots 2002, but changed to represent the fact that data are not in a published study based on input from S. Butkus. -kk	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
59	8487	5	Y	COLVILLE RIVER	DH01PX	18.225	36N	39E	31	pH		Water
				Pelletier, 1997. , 3 excursions beyond the criterion out of 8 samples (38%) at RM 11.2 during 8/94 to 11/94.;							High pH	
59	6377	5	N	COLVILLE RIVER	DH01PX	89.155	30N	40E	09	Temperature		Water
these				Unpublished data collected for planning the Colville Temperature TMDL shows a 7-day mean of daily maximum values of 20.7 for week ending 06-AUG-2000 at							Was Coots 2002, but changed to represent the fact that	
				the station located at RM 52.6 (LB Gary Weythman farm/3547 BetteridgeRd).							data are not in a published study based on input from S. Butkus. -kk	
59	6378	5	N	COLVILLE RIVER	DH01PX	57.12	32N	40E	05	Temperature		Water
these				Unpublished data collected for planning the Colville Temperature TMDL shows a 7-day mean of daily maximum values of 22 for week ending 06-AUG-2000 at the							Was Coots 2002, but changed to represent the fact that	
				station located at RM 34 (LB ds 10m Duncan Rd bridge xing).							data are not in a published study based on input from S. Butkus. -kk	
59	6379	5	N	COLVILLE RIVER	DH01PX	48.242	33N	39E	13	Temperature		Water
these				Unpublished data collected for planning the Colville Temperature TMDL shows a 7-day mean of daily maximum values of 21.9 for week ending 06-AUG-2000 at							Was Coots 2002, but changed to represent the fact that	
				the station located at RM 28 (RB ds 10m RR bridge to NW Alloys-Addy).							data are not in a published study based on input from S. Butkus. -kk	
59	6380	5	N	COLVILLE RIVER	DH01PX	30.222	35N	39E	33	Temperature		Water
these				Unpublished data collected for planning the Colville Temperature TMDL shows a 7-day mean of daily maximum values of 22.8 for week ending 06-AUG-2000 at							Was Coots 2002, but changed to represent the fact that	
				the station located at RM 18 (RB upstrm 35m Orin/Rice Rd bridge xing).							data are not in a published study based on input from S. Butkus. -kk	
59	6381	5	N	COLVILLE RIVER	DH01PX	73.166	32N	40E	36	Temperature		Water
these				Coots, 2002, shows a 7-day mean of daily maximum values of 21.9 for week ending 06-AUG-2000 at the station located at RM 43.2 (RBds350m Cottonwood							Was Coots 2002, but changed to represent the fact that	
				confl under bridge).							data are not in a published study based on input from S. Butkus. -kk	
59	6382	5	N	COLVILLE RIVER	DH01PX	68.025	32N	40E	23	Temperature		Water
these				Unpublished data collected for planning the Colville Temperature TMDL shows a 7-day mean of daily maximum values of 21.6 for week ending 06-AUG-2000 at							Was Coots 2002, but changed to represent the fact that	
				the station located at RM 39 (LBar Plant).							data are not in a published study based on input from S. Butkus. -kk	
59	6384	5	N	COLVILLE RIVER	DH01PX	42.917	34N	39E	35	Temperature		Water
				Unpublished data collected for planning the Colville Temperature TMDL shows a 7-day mean of daily maximum values of 22.7 for week ending 06-AUG-2000 at station CR16 (RB upstrm edge of 12 Mile Rd bridge).								

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	
				Basis						Remarks		
these	59	6385	5	N	COLVILLE RIVER	DH01PX	25.804	35N	39E	21	Temperature	Water
	Unpublished data collected for planning the Colville Temperature TMDL shows a 7-day mean of daily maximum values of 23.7 for week ending 07-AUG-2000 at station CR20 (RB 20m ds MantzRickey Rd bridge xing).										Was Coots 2002, but changed to represent the fact that data are not in a published study based on input from S. Butkus. -kk	
these	59	6386	5	N	COLVILLE RIVER	DH01PX	14.872	36N	38E	26	Temperature	Water
	Unpublished data collected for planning the Colville Temperature TMDL shows a 7-day mean of daily maximum values of 24.7 for week ending 05-AUG-2000 at station CR24 (RB 75m ds Greenwood Loop Rd xing).										Was Coots 2002, but changed to represent the fact that data are not in a published study based on input from S. Butkus. -kk	
	Hallock (2001) Dept. of Ecology Ambient Monitoring Station 59A080 (Colville R abv Kettle Falls) shows 1 excursions beyond the criterion out of 17 samples collected between 1993 - 2001 measured on these dates: 00/08/07,											
	59	6387	5	N	COLVILLE RIVER	DH01PX	81.689	31N	40E	23	Temperature	Water
Coots, 2002, shows a 7-day mean of daily maximum values of 20.9 for week ending 06-AUG-2000 at station CR6 (RB upstrm 10m Waitts Lk Rd xing in Valley).												
	59	15925	5	N	COLVILLE RIVER	DH01PX	14.872	36N	38E	26	Turbidity	Water
Hallock, 2002. shows 4 excursions beyond the criterion out of 12 samples collected between 1992 and 2001 derived by the difference between the upstream station 59A110 (Colville R @ Blue Creek) and the downstream station 59A080 (Colville R abv Kettle Falls).												
canopy.	59	37967	5	N	COTTONWOOD CREEK	GT96PS	14.118	32N	41E	36	Temperature	Water
	Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'Cottonwood D1 Site 1' show excursions beyond the criterion from measurements collected in 1992, 1997, 1999, 2000, 2001 and 2002.										Murray, Dept. of Ecology, 2003 believes the high temperatures are due to natural conditions. The site has beaver ponds, a low gradient, open water and no tree	
											This waterbody is part of a TMDL study that will determine whether or not excursions are due to natural conditions.	
	59	6388	5	N	LITTLE PEND OREILLE RIVER	YA89GE	0	34N	39E	10	Temperature	Water
Coots, 2002, shows a 7-day mean of daily maximum values of 23 for week ending 06-AUG-2000 at station LPOR17 (LB 55m ds of Hwy 395 bridge xing).												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 59B070 (LITTLE PEND OREILLE AT HWY 395) shows 1 excursions beyond the criterion out of 6 samples collected between 1993 - 2001 measured on this date: 00/08/07.												
1 excursion beyond the criterion sampled by Colville National Forest (data submitted by Curry Jones of EPA on 11/22/95) at station 21130304 on 9/1/76.												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
59	6389	5	N	MILL CREEK	NO98KK	0	36N	39E	31	Temperature	Water
Coots, 2002, shows a 7-day mean of daily maximum values of 21.3 for week ending 09-AUG-2000 at station MILL22 (RB upstrm 90m of Hwy395 bridge xing).											
59	37993	5	N	MILL CREEK, S.F.	TK01JT	1.105	36N	40E	15	Dissolved oxygen	Water
Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'S Fk Mill (d1) Site 1' show excursions beyond the criterion from measurements collected in 1993, 1994, and 1995.										A rationale submitted by Albertus Wasson on 16 December 2002 suggests the low dissolved oxygen values are a natural condition caused by a lower atmospheric pressure at higher elevations and warm temperatures that reduce the saturation potential.	
										This waterbody is part of a TMDL study that will determine whether or not excursions are due to natural conditions.	
59	6390	5	Y	STENSGAR CREEK	QE64YM	0	33N	39E	24	Temperature	Water
Coots, 2002, shows a 7-day mean of daily maximum values of 21.5 for week ending 03-AUG-2000 at station STEN14 (RB Curtis Ott's farm @ gaging station).											
59	6391	5	N	STRANGER CREEK	XA81YE	0.476	33N	39E	11	Temperature	Water
Coots, 2002, shows a 7-day mean of daily maximum values of 21 for week ending 03-AUG-2000 at station STRN15 (LB ds 10m of Marble Valley Rd xing).											
60	6331	5	N	CURLEW LAKE	186HFR		38N	33E	28	Total Phosphorus	Water
Completed Phase I State Clean lakes Restoration Project in 1989 - Problems Encountered: Blue-green algae, low dissolved oxygen, sediment phosphorus recycling, low transparency, tributary nutrient inputs. Juul, 1988.										Completed Phase II State Clean Lakes restoration Project in 1994;Control measures implemented based on the Phase I Study - development of a watershed nutrient management plan (focus on livestock, timber harvesting and on-site septic system management), lake level regulation, public education.	
60	38056	5	N	EAST DEER CREEK	EH01FV	0.13	39N	36E	26	Dissolved oxygen	Water
Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'E Deer at Intake' show excursions beyond the criterion from measurements collected in 1994, 1995, 1996, 1999, and 2002.										A rationale submitted by Albertus Wasson on 16 December 2002 suggests the low dissolved oxygen values are a natural condition caused by a lower atmospheric pressure at higher elevations and warm temperatures that reduce the saturation potential.	
										This waterbody is part of a TMDL study that will determine whether or not excursions are due to natural conditions.	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
60	38061	5	N	FISHER CREEK Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'Fisher Creek' show 3 excursions beyond the criterion from 11 measurements collected in 1995-1997.	TG60ZC	0	40N	37E	33	pH	High pH. According to Murray (Dept. of Ecology, ERO, 2003), the slightly elevated pH is probably due to a natural condition. The sampling station is in an area of marble geology which can have a significant effect on stream pH. This waterbody is part of a TMDL study that will determine whether or not excursions are due to natural conditions.	Water
60	11419	5	N	KETTLE RIVER Hallock (2003), Dept. of Ecology ambient station 60A070 shows a total of 4 samples in years 2002 and 2003 exceeded the criterion. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 60A070 (KETTLE RIVER NEAR BARSTOW) shows 10 excursions beyond the criterion out of 50 samples collected between 1993 - 2001 measured on these dates: 00/08/07, 94/07/07, 94/08/03, 95/07/11, 95/08/08, 95/09/06, 96/07/09, 96/09/04, 97/08/06, 97/09/10,	QA16AE	18.145	38N	37E	16	Dissolved oxygen		Water
60	3738	5	N	KETTLE RIVER Dept. of Ecology unpublished data from core ambient monitoring station 60A070 (Kettle R. near Barstow) shows a 7-day mean of daily maximum values of 23.2 for mid-week 8 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 60A070 (KETTLE RIVER NEAR BARSTOW) shows 11 excursions beyond the criterion out of 44 samples collected between 1993 - 2001	QA16AE	18.145	38N	37E	16	Temperature		Water
60	8563	5	Y	ST. PETER CREEK Colville National Forest (data submitted by Curry Jones of Epa on 11/22/95) station 21180212 (N.F.) shows that in 1991 1 of 7 (14.3%) samples exceeded the percentile criterion and in 1992 2 of 5 (40%) exceeded the percentile criterion.	SH98QR	0	38N	33E	24	Fecal Coliform		Water
60	38119	5	N	ST. PETER CREEK, N.F. Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'N FK St Peter Site 1' show a geometric mean of 77 cfu/100mL from 5 samples collected in 1992. Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'N FK St Peter Site 1' show a geometric mean of 47 cfu/100mL from 4 samples collected in 1995.	DA63HX	0	38N	33E	24	Fecal Coliform		Water
61	14404	5	N	COLUMBIA RIVER Hopkins et al. 1985. show an excursion beyond the National Toxic Rule criterion in a multiple fish composite of edible tissue of Bridgelip sucker samples collected in 1984.	NN57SG	48117J7C7	48.925	117.775	4,4'-DDD			Tissue
61	14403	5	N	COLUMBIA RIVER Hopkins et al. 1985. show an excursion beyond the National Toxic Rule criterion in a multiple fish composite of edible tissue of Bridgelip sucker samples collected in 1984.	NN57SG	48117J7C7	48.925	117.775	4,4'-DDT			Tissue

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
61	14406	5	N	COLUMBIA RIVER Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple fish composite of edible tissue of Bridgelip sucker samples collected in 1984.	NN57SG	48117J7C7	48.925	117.775	ALPHA-BHC		Tissue
61	42809	5	N	COLUMBIA RIVER Hallock (2003), Dept. of Ecology ambient station 61A070 shows a total of 3 samples in years 2001, 2002, and 2003 exceeded the criterion.	NN57SG	1162.4 46	40N	40E	31	Dissolved oxygen	Water
61	11430	5	N	COLUMBIA RIVER Hallock (2001) Dept. of Ecology Ambient Monitoring Station 61A070 (COLUMBIA RIVER AT NORTHPORT) shows 2 excursions beyond the criterion out of 12 samples collected between 1993 - 2001	NN57SG	48117J7C7	48.925	117.775	Mercury		Water
61	14407	5	N	COLUMBIA RIVER Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple fish composite of edible tissue of Bridgelip sucker samples collected in 1984.	NN57SG	48117J7C7	48.925	117.775	Total PCBs		Tissue
61	11435	5	Y	DEEP CREEK Hallock (2001) Dept. of Ecology Ambient Monitoring Station 61B070 (Deep Ck nr Mouth) shows 5 excursions beyond the criterion out of 14 samples collected between 1993 - 2001	FI39NU	0.176	40N	40E	34	pH	Water
61	8575	5	Y	DEEP CREEK, S.F. Rashin and Graber, 1992 , 12 excursions beyond the criterion measured between 8/1/90 and 8/15/90.;	CB96ZS	7.478	38N	41E	29	Temperature	Water
61	8578	5	Y	FRANKLIN D. ROOSEVELT LAKE 2 excursions beyond the criterion at USGS station 12400520 (at Northport) on 7/19/90 and 9/7/94.	NN57SG	48117J7B8	48.915	117.785	Dissolved oxygen		Water
61	8580	5	Y	FRANKLIN D. ROOSEVELT LAKE 16 excursions beyond the criterion at USGS station 12400520 (at Northport) during 1990, 1991, 1993 and 1994.	NN57SG	48117J7B8	48.915	117.785	Temperature		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
61	8582	5	N	MEADOW CREEK 2 excursions beyond the criterion sampled by Colville National Forest (data submitted by Curry Jones of EPA on 11/22/95) at station 21140201 on 9/11/90 and 5/2/91. Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'Meadow' show 4 excursions beyond the criterion from 22 measurements collected in 1992-2002.	XH79GB	1.312	38N	41E	33	pH		Water
61	16873	5	N	ONION CREEK Hallock (2001) Dept. of Ecology Ambient Monitoring Station 61C070 (Onion Creek near Northport) shows a geometric mean of 3 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 2 samples collected during 1994.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 61C070 (Onion Creek near Northport) shows a geometric mean of 13 does not exceed the criterion and that 25% of the samples exceeds the percentile criterion from 8 samples collected during 1995.	JY70VB	0.268	39N	39E	23	Fecal Coliform		Water
61	11448	5	N	ONION CREEK Hallock (2001) Dept. of Ecology Ambient Monitoring Station 61C070 (Onion Cr nr Northport) shows 3 excursions beyond the criterion out of 10 samples collected between 1993 - 2001	JY70VB	0.268	39N	39E	23	pH	High pH	Water
61	38182	5	Y	SMACKOUT CREEK Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'Smackout' show 16 excursions beyond the criterion from 63 measurements collected in 1992-2002. 4 excursions beyond the criterion out of 39 samples collected by Colville National Forest (data submitted by Curry Jones of EPA on 11/22/95) at station 21140202 on 9/11/90, 4/3/91, 9/5/91, and9/21/92.	CZ33CZ	1.544	38N	41E	03	pH	High pH	Water
62	42165	5	N	BROWNS CREEK Kalispel Tribe data (submitted by John Gross on 3/15/04), station BRN2 shows 6 samples in 2002 and 6 samples in 2003 exceeded the criterion.	GW43FI	4.431	34N	44E	23	Dissolved oxygen		Water
62	42164	5	N	CALISPELL CREEK Kalispel Tribe data (submitted by John Gross on 3/15/04), station CAL1 shows that 2 of 4 samples (50.0%) collected in 2001 exceed the percentile criterion.	PX05BC	8.389	32N	43E	01	Fecal Coliform	Name changed from CALISPELL CREEK, S.F. to	Water
CALISPELL												
62	21766	5	N	CALISPELL CREEK, S.F. Kalispel Tribe unpublished data at station SFC1 (Steam crossing of Rd. 9205) show the maximum 7-day mean of daily maximum values was 22.7 from continuous measurements collected in 2002. Kalispel Tribe of Indians unpublished data show 1 excursions beyond the criterion from instantaneous measurements collected on 17 July 2002 at station SFC1 (Steam crossing of Rd. 9205).	PX05BC	17.139	32N	43E	26	Temperature		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
62	42159	5	N	CALISPELL CREEK, S.F. Kalispel Tribe data (submitted by John Gross on 3/15/04), station DCLU shows between 12/10/2002 and 11/12/2003 there were 109 days in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 27.91° Celcius for the 7-day period ending August 1, 2003.	PX05BC	10.025	32N	43E	12	Temperature		Water
62	42160	5	N	CALISPELL CREEK, S.F. Kalispel Tribe data (submitted by John Gross on 3/15/04), station TWIGG shows between 6/8/2003 and 11/12/2003 there were 97 days in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 24.67° Celcius for the 7-day period ending August 2, 2003.	PX05BC	1.779	33N	43E	25	Temperature		Water
62	38210	5	N	CEDAR (IONE) CREEK Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'lone Jim/Cedar' show excursions beyond the criterion from measurements collected in 1994, 1995 and 1996.	AS86PH	0.289	38N	43E	31	Dissolved oxygen	A rationale submitted by Albertus Wasson on 16 December 2002 suggests the low dissolved oxygen values are a natural condition caused by a lower atmospheric pressure at higher elevations and warm temperatures that reduce the saturation potential. This waterbody is part of a TMDL study that will determine whether or not excursions are due to natural conditions.	Water
62	38212	5	N	CEDAR (IONE) CREEK Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'lone Jim/Cedar' show excursions beyond the criterion from measurements collected in 1992, 1994 and 1995.	AS86PH	0.289	38N	43E	31	Temperature		Water
62	42166	5	N	HALFMOON CREEK Kalispel Tribe data (submitted by John Gross on 3/15/04), station HFM1 shows 3 samples in 2002 and 5 samples in 2003 exceeded the criterion.	JC56XK	2.532	34N	44E	34	Dissolved oxygen		Water
62	21710	5	N	LECLERC CREEK, EAST BRANCH Kalispel Tribe unpublished data at station EBL1 (First Bridge crossing and Rd. 3503) show the maximum 7-day mean of daily maximum values was 19.9 from continuous measurements collected in 2002. Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'E Br Leclerc' show 1 excursion beyond the criterion from measurements collected in 1992. Kalispel Tribe of Indians unpublished data show no excursions beyond the criterion from instantaneous measurements collected in 2002 at station EBL1 (First Bridge crossing and Rd. 3503).	CG54YF	0	35N	44E	17	Temperature		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
62	21711	5	N	LECLERC CREEK, EAST BRANCH Kalispel Tribe unpublished data at station EBL3 (First bridge crossing S. of Rd. 1935/3521 intersection) show the maximum 7-day mean of daily maximum values was 19.2 from continuous measurements collected in 2002. Kalispel Tribe of Indians unpublished data show no excursions beyond the criterion from instantaneous measurements collected in 2002 at station EBL3 (First bridge crossing S. of Rd. 1935/3521 intersection).	CG54YF	6.166	36N	44E	33	Temperature		Water
	21715	5	N	LITTLE MUDDY CREEK Kalispel Tribe unpublished data at station LIM1 (Stream crossing of Rd 2705) show the maximum 7-day mean of daily maximum values was 18.1 from continuous measurements collected in 2002. Kalispel Tribe of Indians unpublished data show no excursions beyond the criterion from instantaneous measurements collected in 2002 at station LIM1 (Stream crossing of Rd 2705).	ZE63VQ	0	37N	43E	06	Temperature		Water
	21717	5	N	LOST CREEK Kalispel Tribe unpublished data at station LOS1 (Stream crossing Hwy 20) show the maximum 7-day mean of daily maximum values was 20.9 from continuous measurements collected in 2002. Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'Lost Cr Site 1' show excursions beyond the criterion from measurements collected in 1992 and 1994. Kalispel Tribe of Indians unpublished data show no excursions beyond the criterion from instantaneous measurements collected in 2002 at station LOS1 (Stream crossing Hwy 20).	EK49EK	0	36N	43E	22	Temperature		Water
	21866	5	N	MILL CREEK Kalispel Tribe of Indians unpublished data show 4 excursions beyond the criterion from instantaneous measurements collected in 2002 at station MLC1 (Stream crossing of Leclerc Rd. N. and Rd. 1200). Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'Mill D3' show 1 excursion beyond the criterion from measurements collected in 1994.	SM32JD	0.302	35N	44E	33	Dissolved oxygen	During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments. Based on a review of monitoring studies for statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues to be impaired. (Braley, ECY/WQP, 2003)	Water
62	43357	5	N	PEND OREILLE RIVER USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Rule criterion in Brown Trout composite samples collected on 07/23/2002 at location (Near East Bank).	DS54SI	110.96 1	33N	44E	30	Aldrin		Tissue
62	8609	5	Y	PEND OREILLE RIVER Pelletier and Coots, 1990. 4 excursions beyond the criterion out of 7 samples at RM 39 in 1988.	DS54SI	59.673	37N	43E	05	pH	Multiple excursions beyond the criterion sampled within a hour period are considered a single excursion per Water Quality Program Policy.	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks	
24-	62	8611	5	Y	PEND OREILLE RIVER	DS54SI	71.559	36N	43E	10	pH	Water	Multiple excursions beyond the criterion sampled within a
	Pelletier and Coots, 1990. 4 excursions beyond the criterion out of 7 samples at RM 48 in 1988.											hour period are considered a single excursion per Water Quality Program Policy.	
24-	62	8613	5	Y	PEND OREILLE RIVER	DS54SI	96.427	34N	43E	12	pH	Water	Multiple excursions beyond the criterion sampled within a
	Pelletier and Coots, 1990. 5 excursions beyond the criterion out of 7 samples at RM 62 in 1988.											hour period are considered a single excursion per Water Quality Program Policy.	
temperature conditions.	62	8617	5	Y	PEND OREILLE RIVER	DS54SI	138.456	31N	46E	07	Temperature	Water	The Pend Oreille River originates from surface-level outflows from a large natural lake that may cause temperature criteria exceedances under natural conditions. A rationale with supporting documentation submitted by Lincoln Loehr on 17 December 2002 suggests the high temperature values are a natural condition caused by effects of Lake Pend Oreille upstream. However, there currently is insufficient data to rule out the possibility that human activities have increased water temperatures over natural conditions in excess of allowable limits, such as from dams or point source discharges located on the river. This river also flows into Canada's and the Kalispell Tribe jurisdictions. A
	Pend Oreille PUD, 2002., station (Pend Oreille River near Newport) shows between 4/4/2002 and 8/5/2002 there were 20 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody required by WAC173-201A-130 paragraph (79); the maximum exceedance for this period was 22.6 °Celcius for the 7-day period ending July 30, 2002.											TMDL is underway that will help determine natural	
	Hallock (2001) Dept. of Ecology Ambient Monitoring Station 62A150 (PEND OREILLE RIVER AT NEWPORT) shows 6 excursions beyond the criterion out of 59 samples collected between 1993 - 2001 measured on these dates: 00/08/07, 94/08/02, 95/08/07, 96/08/05, 96/09/03, 97/08/05.											(Braley, 4/05))	
	Pelletier and Coots, 1990. Multiple excursions beyond the criterion at RM 88 in 1988.												
temperature	62	11452	5	N	PEND OREILLE RIVER	DS54SI	41.694	39N	43E	21	Temperature	Water	The Pend Oreille River originates from surface-level outflows from a large natural lake that may cause temperature criteria exceedances under natural conditions. A rationale with supporting documentation submitted by Lincoln Loehr on 17 December 2002 suggests the high temperature values are a natural condition caused by effects of Lake Pend Oreille upstream. However, there currently is insufficient data to rule out the possibility that human activities have increased water temperatures over natural conditions in excess of allowable limits, such as from dams or point source discharges located on the river. This river also flows into Canada's and the Kalispell Tribe jurisdictions. A
	Hallock (2001) Dept. of Ecology Ambient Monitoring Station 62A090 (PEND OREILLE AT METALINE FLLS) shows 3 excursions beyond the criterion out of 34 samples collected between 1993 - 2001 measured on these dates: 00/08/07, 94/08/03, and 95/08/08.											TMDL is underway that will help determine natural conditions (Braley, 4/05))	

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	Remarks
				Basis								
62	42512	5	N	PEND OREILLE RIVER	DS54SI	53.916	38N	43E	20	Temperature	Water	
<p>Pend Oreille PUD, 2003., station (Box Canyon Dam tailrace) shows between 3/31/2003 and 7/13/2004 there were 3 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody required by WAC173-201A-130 paragraph (79); the maximum exceedance for this period was 20.3 °Celcius for the 7-day period ending July 13, 2003.</p> <p>Pend Oreille PUD, 2002., station (Box Canyon Dam tailrace) shows between 3/28/2002 and 8/11/2002 there were 20 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody required by WAC173-201A-130 paragraph (79); the maximum exceedance for this period was 22.9 °Celcius for the 7-day period ending August 6, 2002.</p>												<p>The Pend Oreille River originates from surface-level outflows from a large natural lake that may cause temperature criteria exceedances under natural conditions. A rationale with supporting documentation submitted by Lincoln Loehr on 17 December 2002 suggests the high temperature values are a natural condition caused by effects of Lake Pend Oreille upstream. However, there currently is insufficient data to rule out the possibility that human activities have increased water temperatures over natural conditions in excess of allowable limits, such as from dams or point source discharges located on the river. This river also flows into Canada's and the Kalispell Tribe jurisdictions. A</p> <p>TMDL is underway that will help determine natural</p> <p>(Braley, 4/05))</p>
62	42513	5	N	PEND OREILLE RIVER	DS54SI	52.777	38N	43E	19	Temperature	Water	
<p>Pend Oreille PUD, 2002., station (Box Canyon Dam forebay) shows between 4/15/2002 and 8/5/2002 there were 12 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody required by WAC173-201A-130 paragraph (79); the maximum exceedance for this period was 22.9 °Celcius for the 7-day period ending August 3, 2002.</p>												<p>The Pend Oreille River originates from surface-level outflows from a large natural lake that may cause temperature criteria exceedances under natural conditions. A rationale with supporting documentation submitted by Lincoln Loehr on 17 December 2002 suggests the high temperature values are a natural condition caused by effects of Lake Pend Oreille upstream. However, there currently is insufficient data to rule out the possibility that human activities have increased water temperatures over natural conditions in excess of allowable limits, such as from dams or point source discharges located on the river. This river also flows into Canada's and the Kalispell Tribe jurisdictions. A</p> <p>TMDL is underway that will help determine natural</p> <p>(Braley, 4/05))</p>

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	Remarks
				Basis								
62	42515	5	N	PEND OREILLE RIVER	DS54SI	26.027	40N	43E	10	Temperature	Water	
<p>Kimbrough, R.A., et.al., 2002, station (Boundary Dam forebay) shows between 1/1/2002 and 9/30/2002 there were 59 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody required by WAC173-201A-130 paragraph (79); the maximum exceedance for this period was 23 °Celcius for the 7-day period ending July 30, 2002.</p> <p>Kimbrough, R.A., et.al., 2001, station (Boundary Dam forebay) shows between 1/1/2001 and 12/31/2001 there were 72 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody required by WAC173-201A-130 paragraph (79); the maximum exceedance for this period was 23.4 °Celcius for the 7-day period ending August 18, 2001.</p> <p>Kimbrough, R.A., et.al., 2000, station (Boundary Dam forebay) shows between 1/1/2000 and 12/31/2000 there were 24 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody required by WAC173-201A-130 paragraph (79); the maximum exceedance for this period was 24 °Celcius for the 7-day period ending August 14, 2000.</p>												<p>The Pend Oreille River originates from surface-level outflows from a large natural lake that may cause temperature criteria exceedances under natural conditions. A rationale with supporting documentation submitted by Lincoln Loehr on 17 December 2002 suggests the high temperature values are a natural condition caused by effects of Lake Pend Oreille upstream. However, there currently is insufficient data to rule out the possibility that human activities have increased water temperatures over natural conditions in excess of allowable limits, such as from dams or point source discharges located on the river. This river also flows into Canada's and the Kalispell Tribe jurisdictions. A</p> <p>TMDL is underway that will help determine natural</p> <p>(Braley, 4/05))</p>
62	43539	5	N	PEND OREILLE RIVER	DS54SI	24.792	40N	43E	03	Temperature	Water	
<p>Kimbrough, R.A., et.al., 2002, station (Boundary Dam tailrace) shows between 1/1/2002 and 9/30/2002 there were 37 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody required by WAC173-201A-130 paragraph (79); the maximum exceedance for this period was 22.7 °Celcius for the 7-day period ending August 1, 2002.</p> <p>Kimbrough, R.A., et.al., 2001, station (Boundary Dam tailrace) shows between 1/1/2001 and 12/31/2001 there were 67 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody required by WAC173-201A-130 paragraph (79); the maximum exceedance for this period was 23.1 °Celcius for the 7-day period ending August 19, 2001.</p> <p>Kimbrough, R.A., et.al., 2000, station (Boundary Dam tailrace) shows between 1/27/2000 and 12/31/2000 there were 51 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody required by WAC173-201A-130 paragraph (79); the maximum exceedance for this period was 24 °Celcius for the 7-day period ending August 12, 2000.</p>												
62	6287	5	N	PEND OREILLE RIVER	DS54SI	53.916	38N	43E	20	Total Dissolved Gas	Water	
<p>Pend Oreille PUD, 2003., data from station (Box Canyon Dam tailrace) show between 3/20/2003 and 7/7/2003 this waterbody exceeded the criterion 66 of 102 days.</p> <p>Pend Oreille PUD, 2002., data from station (Box Canyon Dam tailrace) show between 3/28/2002 and 8/5/2002 this waterbody exceeded the criterion 89 of 125 days.</p> <p>Unpublished data from U.S. Geological Survey shows 58 days exceed the criteria out of 91 days during May-July 2000.</p>												
62	42516	5	N	PEND OREILLE RIVER	DS54SI	24.792	40N	43E	03	Total Dissolved Gas	Water	
<p>Kimbrough, R.A., et.al., 2002, data from station (Boundary Dam tailrace) show between 9/7/2002 and 9/30/2002 this waterbody exceeded the criterion 10 of 24 days.</p> <p>Kimbrough, R.A., et.al., 2001, data from station (Boundary Dam tailrace) show between 8/29/2001 and 9/30/2001 this waterbody exceeded the criterion 10 of 33 days.</p>												

temperature
conditions.

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
62	42517	5	N	PEND OREILLE RIVER Pend Oreille PUD, 2003., data from station (Box Canyon Dam forebay) show between 3/20/2003 and 7/7/2003 this waterbody exceeded the criterion 16 of 96 days. Pend Oreille PUD, 2002., data from station (Box Canyon Dam forebay) show between 4/8/2002 and 8/5/2002 this waterbody exceeded the criterion 33 of 99 days.	DS54SI	52.777	38N	43E	19	Total Dissolved Gas		Water
62	42518	5	N	PEND OREILLE RIVER Pend Oreille PUD, 2003., data from station (Pend Oreille River near Newport) show between 3/20/2003 and 7/7/2003 this waterbody exceeded the criterion 28 of 100 days. Pend Oreille PUD, 2002., data from station (Pend Oreille River near Newport) show between 3/28/2002 and 8/5/2002 this waterbody exceeded the criterion 40 of 119 days.	DS54SI	138.45 6	31N	46E	07	Total Dissolved Gas		Water
62	43383	5	N	PEND OREILLE RIVER USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Rule criterion in Brown Trout composite samples collected on 07/23/2002 at location (Near East Bank).	DS54SI	110.96 1	33N	44E	30	Total PCBs		Tissue
62	38297	5	N	RUBY CREEK Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'Ruby (G.S.)' show excursions beyond the criterion from measurements collected in 1994, 1996, 1997, 1998 and 1999. Kalispel Tribe of Indians unpublished data show 2 excursions beyond the criterion from instantaneous measurements collected in 2002 at station RUB1 (0.3 mi. up Rd. 2489 from intersection of HWY 20).	MY62NH	0.68	35N	43E	10	Dissolved oxygen	A rationale submitted by submitted by Albertus Wasson on 16 December 2002 suggests the low dissolved oxygen are a natural condition caused by a high atmospheric pressure at higher elevations and warm temperatures that reduce the saturation potential. This waterbody is part of a TMDL study that will determine whether or not excursions are due to natural conditions.	Water
62	21764	5	N	RUBY CREEK Kalispel Tribe unpublished data at station RUB2 (Intersection of Rd. 423 and 2489) show the maximum 7-day mean of daily maximum values was 18.1 from continuous measurements collected in 2002. Kalispel Tribe of Indians unpublished data show no excursions beyond the criterion from instantaneous measurements collected in 2002 at station RUB2 (Intersection of Rd. 423 and 2489). Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'Ruby (G.S.)' show excursions beyond the criterion from measurements collected in 1996, 1997 and 1998.	MY62NH	9.97	35N	43E	08	Temperature		Water
62	6727	5	Y	SKOOKUM CREEK Coots and Willms, 1991. 2 excursions beyond the upper criterion at station SK4 on 7/24/90 and 8/14/90.	PT25LK	2.017	32N	44E	03	Fecal Coliform	Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks
62	6728	5	Y	SKOOKUM CREEK Coots and Willms, 1991. 2 excursions beyond the upper criterion at station SK5 on 7/24/90 and 8/14/90.	PT25LK	5.418	33N	44E	33	Fecal Coliform	Water	Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.
62	38330	5	N	SULLIVAN CREEK Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'Sullivan Site 5 Bridge' show excursions beyond the criterion from measurements collected in 1993, 1994, and 1996.	SN79HL	6.74	39N	44E	30	Dissolved oxygen	Water	<p>A rationale submitted by Albertus Wasson on 16 December 2002 suggests the low dissolved oxygen values are a natural condition caused by a lower atmospheric pressure at higher elevations and warm temperatures that reduce the saturation potential.</p> <p>This waterbody is part of a TMDL study that will determine whether or not excursions are due to natural conditions.</p> <p>Ecology staff reviewed this listing in 2003 for natural conditions, but could not rule out the possibility that human activities contributed to the excursion(s).</p>
62	38339	5	N	SULLIVAN CREEK, N.F. Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'N FK Sullivan' show excursions beyond the criterion from measurements collected in 1996, 1999 and 2002.	TN12RP	0	39N	43E	23	Dissolved oxygen	Water	<p>A rationale submitted by Albertus Wasson on 16 December 2002 suggests the low dissolved oxygen values are a natural condition caused by a lower atmospheric pressure at higher elevations and warm temperatures that reduce the saturation potential.</p> <p>This waterbody is part of a TMDL study that will determine whether or not excursions are due to natural conditions.</p>
62	42167	5	N	TACOMA CREEK Kalispel Tribe data (submitted by John Gross on 3/15/04), station TAC1 shows 2 samples in 2002 and 5 samples in 2003 exceeded the criterion. Kalispel Tribe of Indians unpublished data show 3 excursions beyond the criterion from instantaneous measurements collected on 13 Nov 2002 at station TAC1 (First stream crossing Rd. 2389). Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'Tacoma Site 1' show excursions beyond the criterion from measurements collected in 1994 and 1996.	OE10VI	12.22	34N	43E	22	Dissolved oxygen	Water	